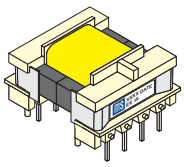
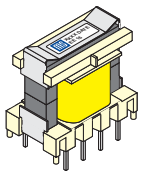
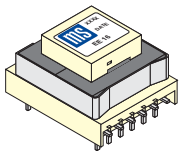
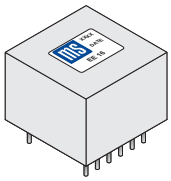
power table
EE 13 - EE 30

- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C) copper foil winding, polyimid insulated wires (3-times bandage)

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

type	frequency	flyback	forward	push-pull
EE 13	25 kHz 50 kHz 100 kHz	0,6 VA 1,0 VA 1,6 VA	0,8 VA 1,2 VA 2,0 VA	1,2 VA 1,8 VA 2,5 VA
EE 16	25 kHz 50 kHz 100 kHz	3,5 VA 5,0 VA 7,5 VA	4,0 VA 6,0 VA 9,0 VA	6,0 VA 9,0 VA 13,0 VA
EE 20	25 kHz 50 kHz 100 kHz	6,5 VA 10,0 VA 15,0 VA	8,0 VA 12,0 VA 18,0 VA	12,0 VA 18,0 VA 26,0 VA
EE 25	25 kHz 50 kHz 100 kHz	12,0 VA 18,0 VA 26,0 VA	15,0 VA 22,0 VA 32,0 VA	20,0 VA 34,0 VA 45,0 VA
EE 30	25 kHz 50 kHz 100 kHz	25,0 VA 40,0 VA 55,0 VA	30,0 VA 45,0 VA 65,0 VA	40,0 VA 60,0 VA 90,0 VA

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

power table
EE 42 - EE 65

- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C) copper foil winding, polyimid insulated wires (3-times bandage)

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

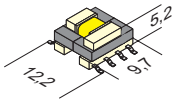
type	frequency	flyback	forward	push-pull
EE 42/15 impregnated	25 kHz 50 kHz 100 kHz	75 VA 150 VA 240 VA	95 VA 180 VA 280 VA	185 VA 280 VA 440 VA
EE 42/15 potted	25 kHz 50 kHz 100 kHz	80 VA 165 VA 265 VA	105 VA 200 VA 310 VA	200 VA 300 VA 490 VA
EE 42/20 impregnated	25 kHz 50 kHz 100 kHz	100 VA 200 VA 325 VA	125 VA 240 VA 375 VA	250 VA 420 VA 600 VA
EE 42/20 potted	25 kHz 50 kHz 100 kHz	110 VA 220 VA 350 VA	140 VA 270 VA 400 VA	275 VA 460 VA 650 VA
EE 55/21 impregnated	25 kHz 50 kHz 100 kHz	180 VA 360 VA -	230 VA 440 VA 680 VA	460 VA 770 VA 1000 VA
EE 55/21 potted	25 kHz 50 kHz 100 kHz	200 VA 400 VA -	250 VA 480 VA 750 VA	500 VA 850 VA 1100 VA
EE 55/25 impregnated	25 kHz 50 kHz 100 kHz	240 VA - -	310 VA 600 VA 920 VA	625 VA 1000 VA 1350 VA
EE 55/25 potted	25 kHz 50 kHz 100 kHz	260 VA - -	340 VA 650 VA 1000 VA	680 VA 1100 VA 1500 VA
EE 65 impregnated	25 kHz 50 kHz 100 kHz	340 VA 400 VA -	400 VA 760 VA 1150 VA	800 VA 1250 VA 1750 VA
EE 65 potted	25 kHz 50 kHz 100 kHz	370 VA - -	440 VA 825 VA 1250 VA	880 VA 1350 VA 1950 VA

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

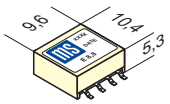
type EE 8,8 SMD

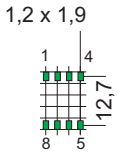
0,6 … 1,3 VA

①



②





view on pin side
pin grid = 5,08 mm

EE 8,8

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

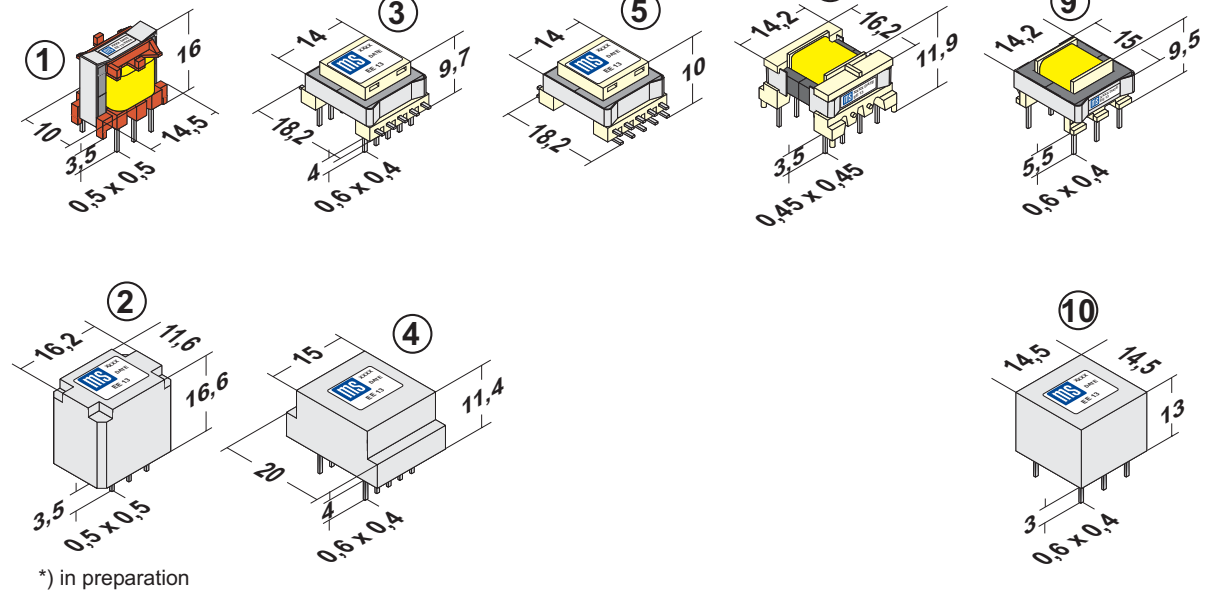
frequency	flyback	forward	push-pull
100 kHz	0,6 VA	0,9 VA	1,3 VA

- application as DC/DC-transducer, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 500 kHz on your application, also for multiple output voltages
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 87
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

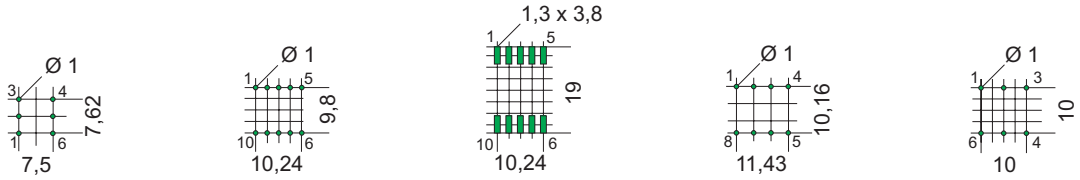
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 13

0,6 ... 2,5 VA



*) in preparation



viwe on pin side
pin grid = 3,81 mm

view onpin side
pin grid = 2,54 mm

view on pin side
pin grid = 2,54 mm

view on pin side
pin grid = 3,81 mm

view on pin side
pin grid = 2,5 mm

EE 13

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

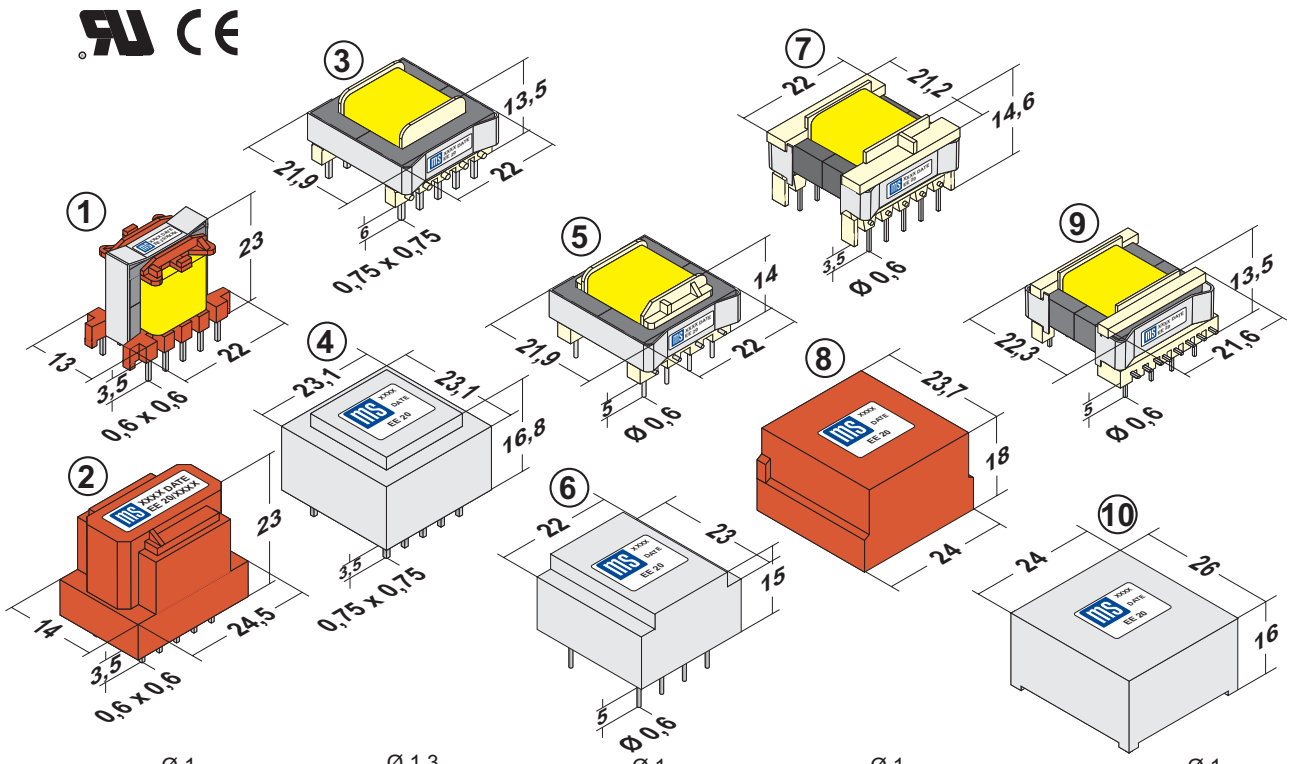
frequency	flyback	forward	push-pull
25 kHz	0,6 VA	0,8 VA	1,2 VA
50 kHz	1,0 VA	1,2 VA	1,8 VA
100 kHz	1,6 VA	2,0 VA	2,5 VA

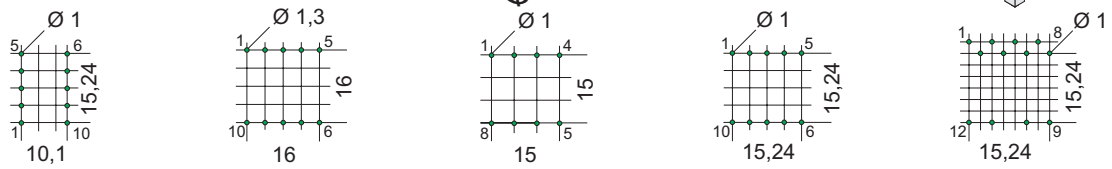
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 20

6,5 ... 26 VA





view on pin side
pin grid = 3,81 mm

view on pin side
pin grid = 4 mm

view on pin grid
pin grid = 5 mm

view on pin side
pin grid = 3,81 mm

view on pin side
pin grid = 2,54 mm

EE 20

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

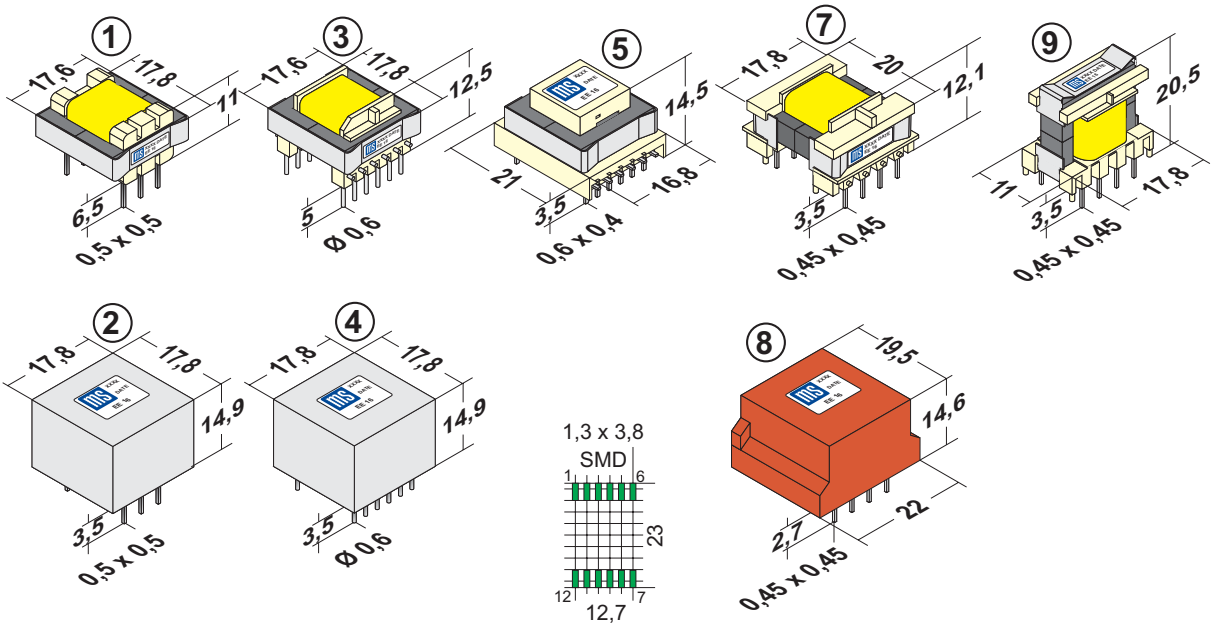
frequency	flyback	forward	push-pull
25 kHz	6,5 VA	8,0 VA	12,0 VA
50 kHz	10,0 VA	12,0 VA	18,0 VA
100 kHz	15,0 VA	18,0 VA	26,0 VA

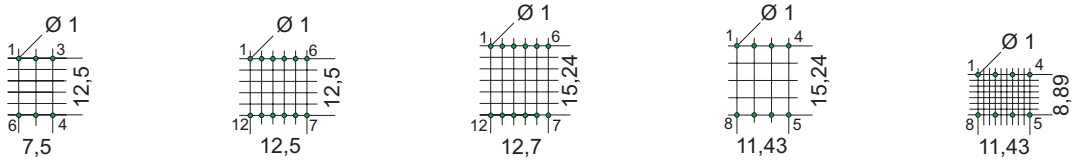
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 16

3,5 ... 13 VA





view on pin side
pin grid = 3,75 mm

view on pin side
pin grid = 2,5 mm

view on pin side
pin prid = 2,54 mm

view on pin side
pin grid = 3,81 mm

view on pin side
pin grid = 1,27 mm

EE 16

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

frequency	flyback	forward	push-pull
25 kHz	3,5 VA	4,0 VA	6,0 VA
50 kHz	5,0 VA	6,0 VA	9,0 VA
100 kHz	7,5 VA	9,0 VA	13,0 VA

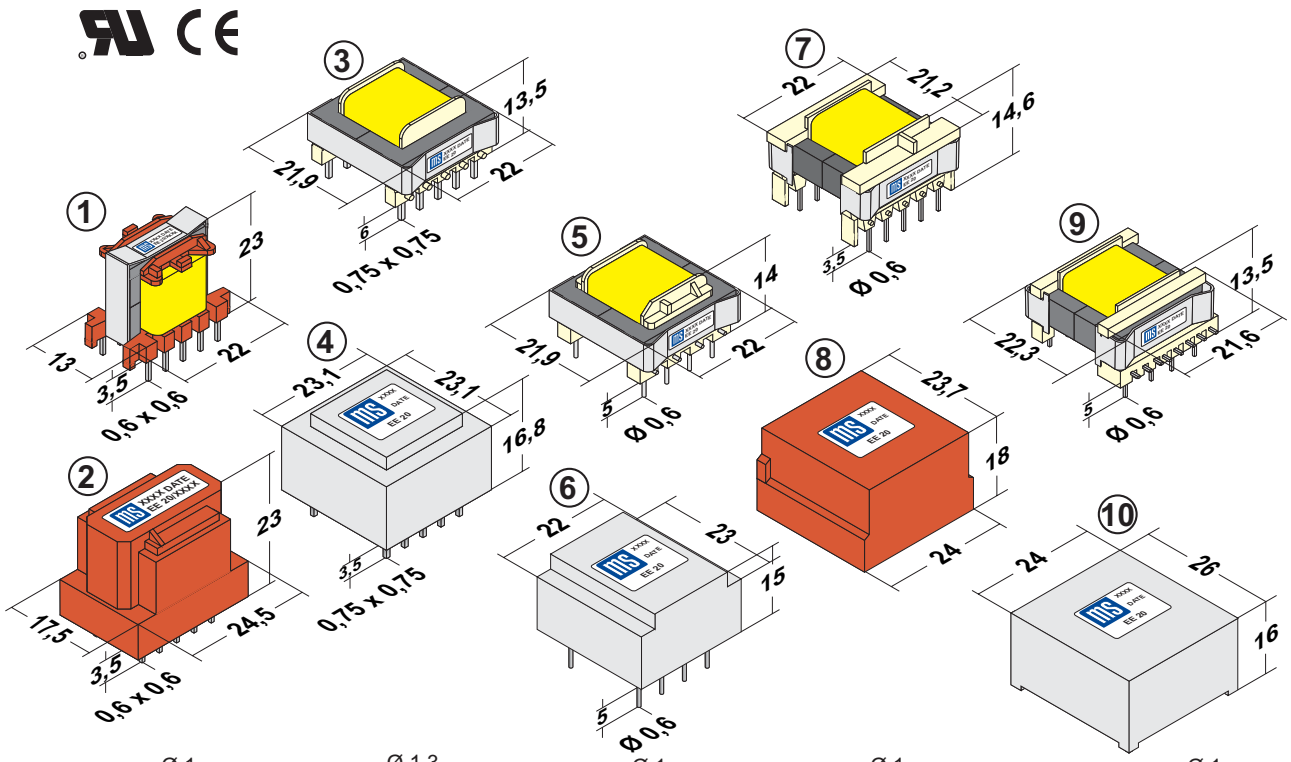
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

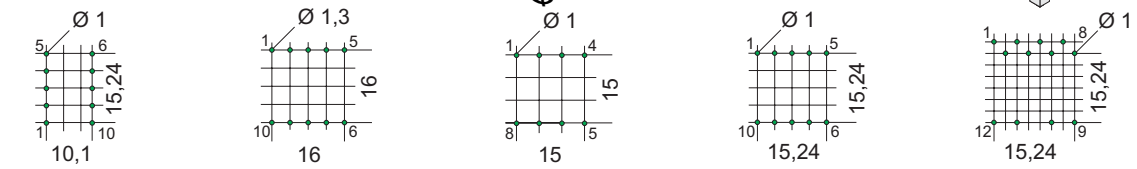
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

schmelzer transformers

type EE 20

6,5 ... 26 VA





view on pin side
pin grid = 3,81 mm

view on pin side
pin grid = 4 mm

view on pin grid
pin grid = 5 mm

view on pin side
pin grid = 3,81 mm

view on pin side
pin grid = 2,54 mm

EE 20

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

frequency	flyback	forward	push-pull
25 kHz	6,5 VA	8,0 VA	12,0 VA
50 kHz	10,0 VA	12,0 VA	18,0 VA
100 kHz	15,0 VA	18,0 VA	26,0 VA

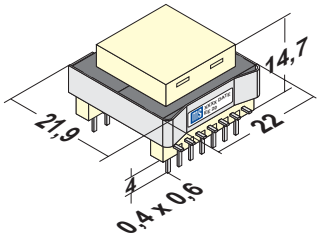
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67 or N 87
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C) copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

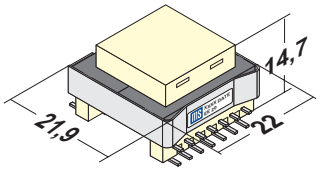
type EE 20

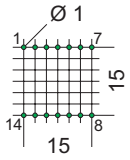
6,5 ... 26 VA

①

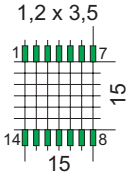


②





view on pin side
pin grid = 2,5 mm



view on pin side
pin grid = 2,5 mm

EE 20

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

frequency	flyback	forward	push-pull
25 kHz	6,5 VA	8,0 VA	12,0 VA
50 kHz	10,0 VA	12,0 VA	18,0 VA
100 kHz	15,0 VA	18,0 VA	26,0 VA

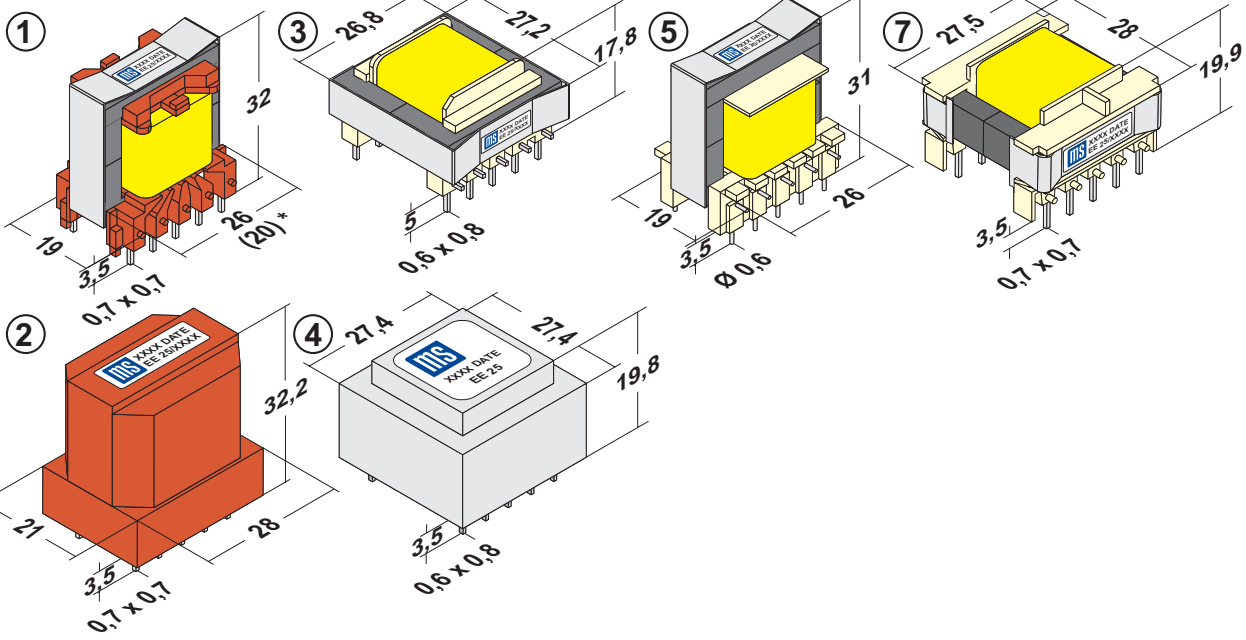
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

schmelzer transformers

type EE 25

12 ... 45 VA



view on pin side
pin grid = 5,04 mm

view on pin side
pin grid = 5 mm

view on pin side
pin grid = 2,54 mm

view on pin side
pin grid = 5,08 mm

EE 25

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

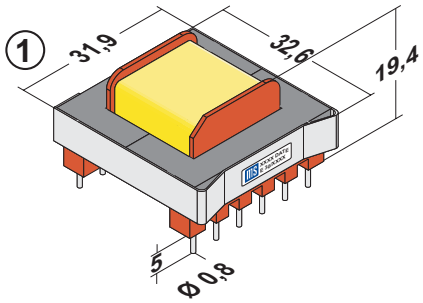
frequency	flyback	forward	push-pull
25 kHz	12 VA	15 VA	20 VA
50 kHz	18 VA	22 VA	34 VA
100 kHz	26 VA	32 VA	45 VA

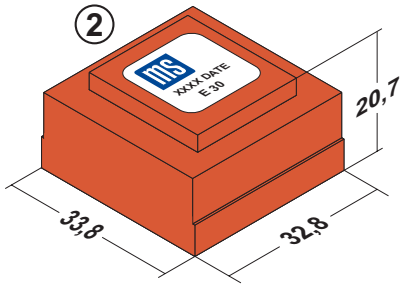
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

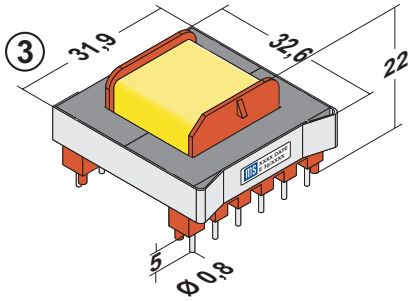
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

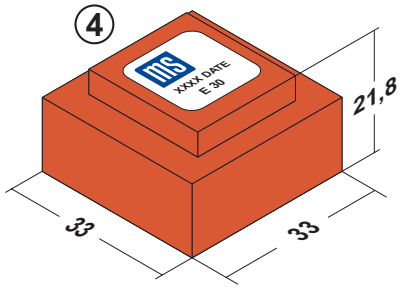
type EE 30 potted

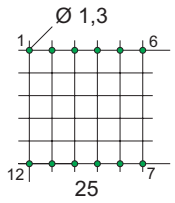
25 ... 90 VA



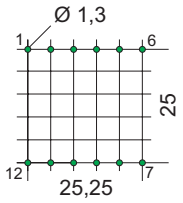








view on pin side
pin grid = 5 mm



view on pin side
pin grid = 5,05 mm

EE 30

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

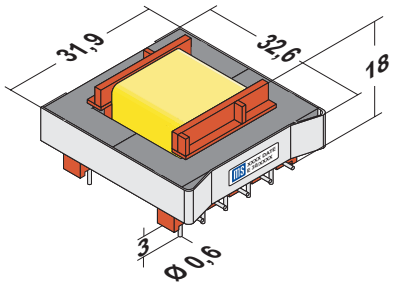
frequency	flyback	forward	push-pull
25 kHz	25 VA	30 VA	40 VA
50 kHz	40 VA	45 VA	60 VA
100 kHz	55 VA	65 VA	90 VA

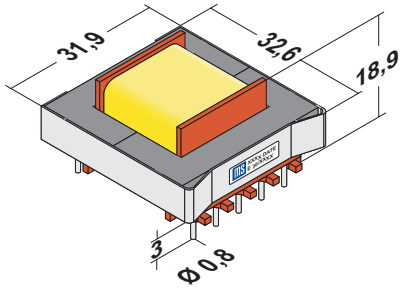
- application as SMPS, open, impregnated or potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated or potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

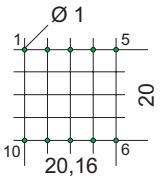
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 30 impregnated

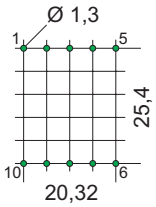
25 ... 90 VA







view on pin side
pin grid = 5,04 mm



view on pin side
pin grid = 5,08 mm

EE 30

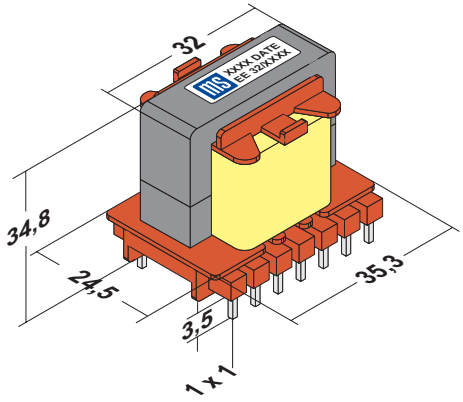
maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

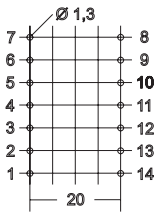
frequency	flyback	forward	push-pull
25 kHz	25 VA	30 VA	40 VA
50 kHz	40 VA	45 VA	60 VA
100 kHz	55 VA	65 VA	90 VA

- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 32/11 standing, impregnated 50 … 240 VA





view on pin side
pin grid = 5 mm

EE 32

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

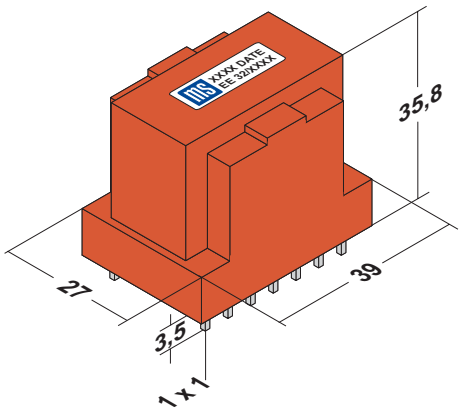
frequency	flyback	forward	push-pull
25 kHz	50 VA	60 VA	110 VA
50 kHz	90 VA	100 VA	160 VA
100 kHz	120 VA	160 VA	240 VA

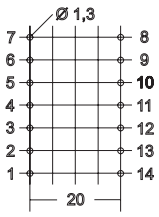
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 32/11 potted

55 … 260 VA





view on pin side
pin grid = 5 mm

EE 32

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

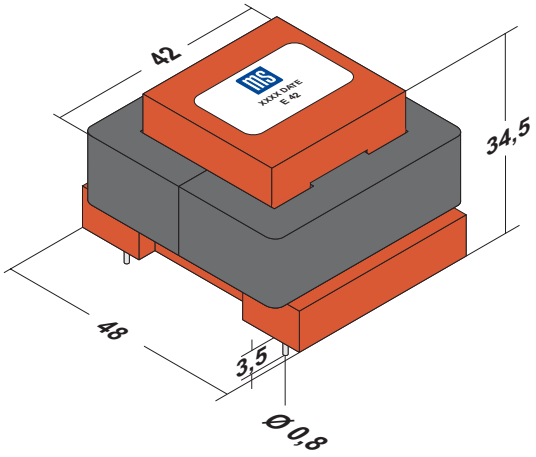
frequency	flyback	forward	push-pull
25 kHz	55 VA	65 VA	120 VA
50 kHz	95 VA	110 VA	175 VA
100 kHz	130 VA	175 VA	260 VA

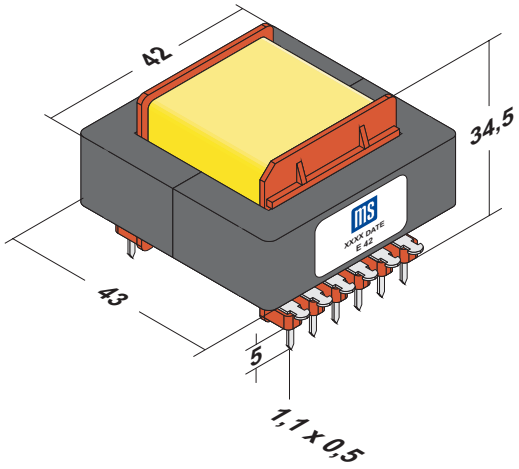
- application as SMPS, potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

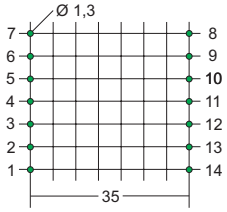
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 42/15 impregnated

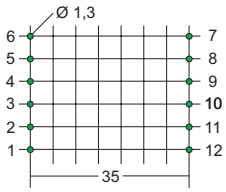
75 … 440 VA







view on pin side
pin grid = 5 mm



view on pin side
pin grid = 5 mm

EE 42

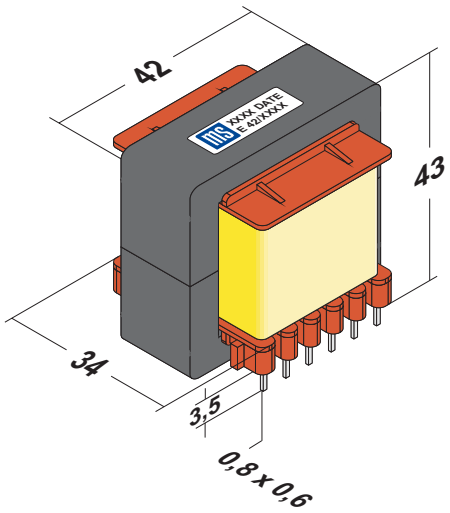
maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

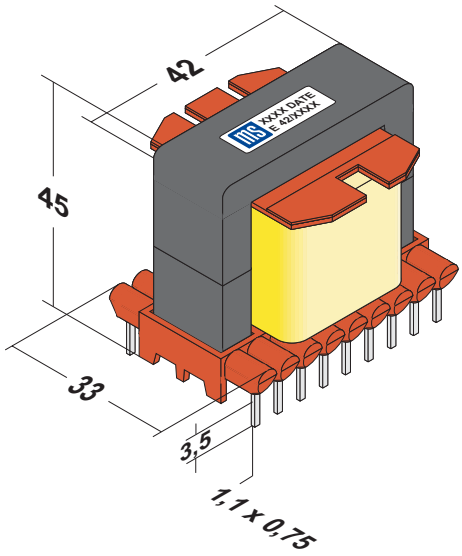
frequency	flyback	forward	push-pull
25 kHz	75 VA	95 VA	185 VA
50 kHz	150 VA	180 VA	280 VA
100 kHz	240 VA	280 VA	440 VA

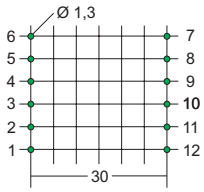
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

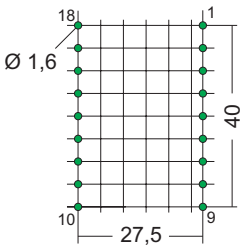
type EE 42/15 standing impregnated 75 … 440 VA







view on pin side
pin grid = 5 mm



view on pin side
pin grid = 5 mm

EE 42

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

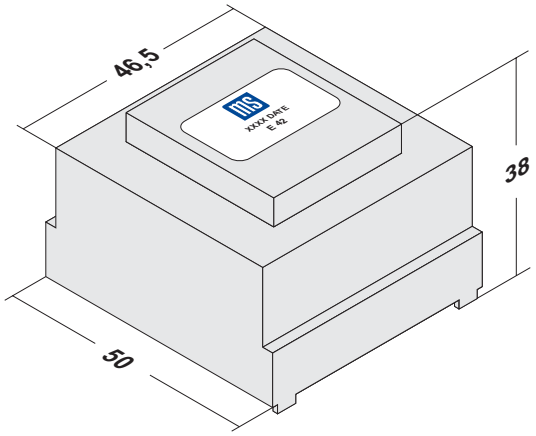
frequency	flyback	forward	push-pull
25 kHz	75 VA	95 VA	185 VA
50 kHz	150 VA	180 VA	280 VA
100 kHz	240 VA	280 VA	440 VA

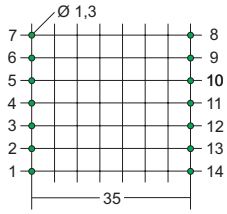
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 42/15 potted

80 … 490 VA





view on pin side
ping grid = 5 mm

EE 42

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

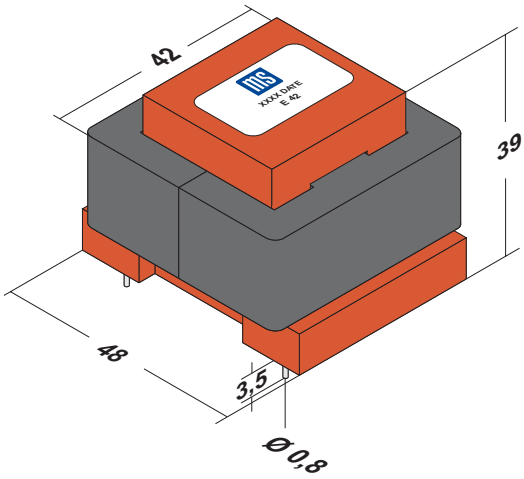
frequency	flyback	forward	push-pull
25 kHz	80 VA	105 VA	200 VA
50 kHz	165 VA	200 VA	300 VA
100 kHz	265 VA	310 VA	490 VA

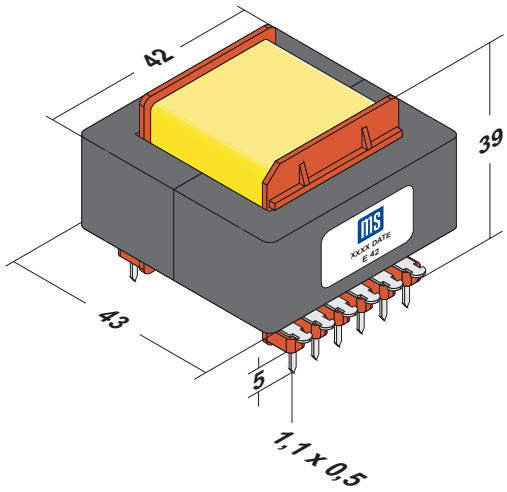
- application as SMPS, potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

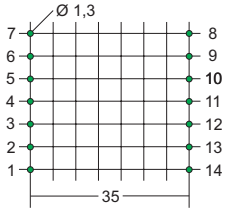
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 42/20 impregnated

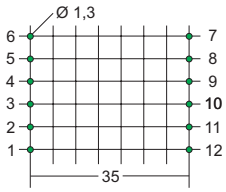
100 … 600 VA







view on pin side
pin grid = 5 mm



view on pin side
pin grid = 5 mm

EE 42

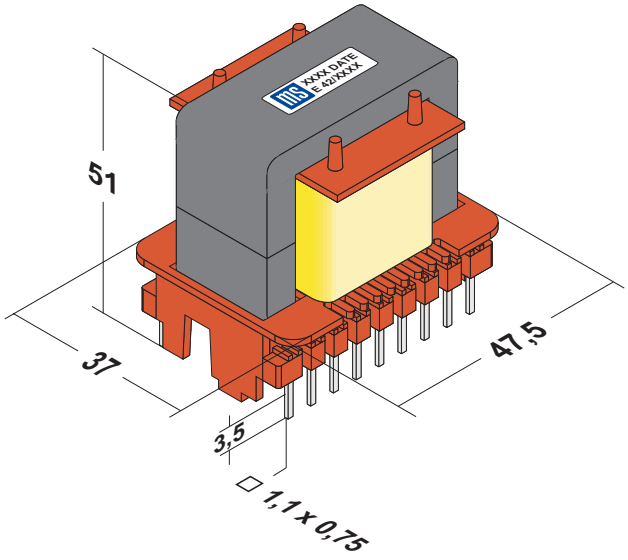
maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

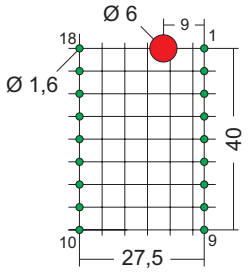
frequency	flyback	forward	push-pull
25 kHz	100 VA	125 VA	250 VA
50 kHz	200 VA	240 VA	420 VA
100 kHz	325 VA	375 VA	600 VA

- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 42/20 standing impregnated 100 … 600 VA





view on pin side
pin grid = 5 mm

EE 42

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

frequency	flyback	forward	push-pull
25 kHz	100 VA	125 VA	250 VA
50 kHz	200 VA	240 VA	420 VA
100 kHz	325 VA	375 VA	600 VA

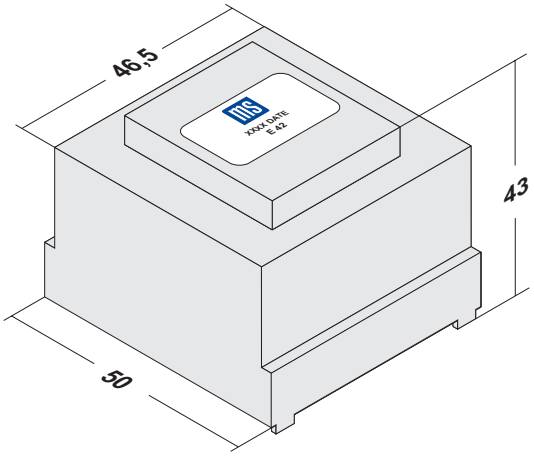
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

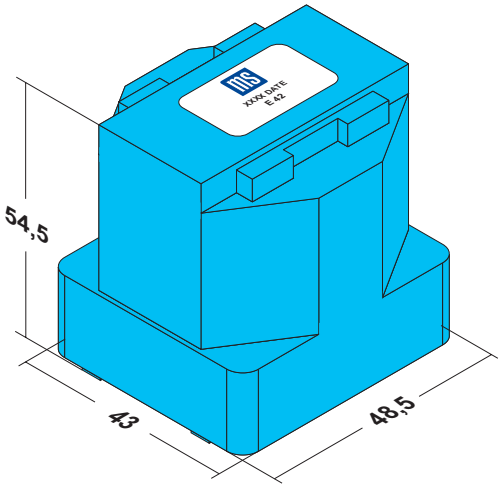
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

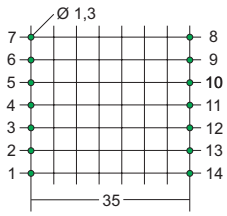
schmelzer transformers

type EE 42/20 potted

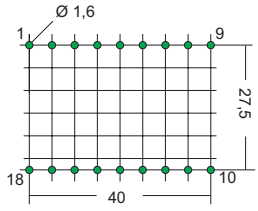
110 … 650 VA







view on pin side
pin grid = 5 mm



view on pin side
pin grid = 5 mm

EE 42

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

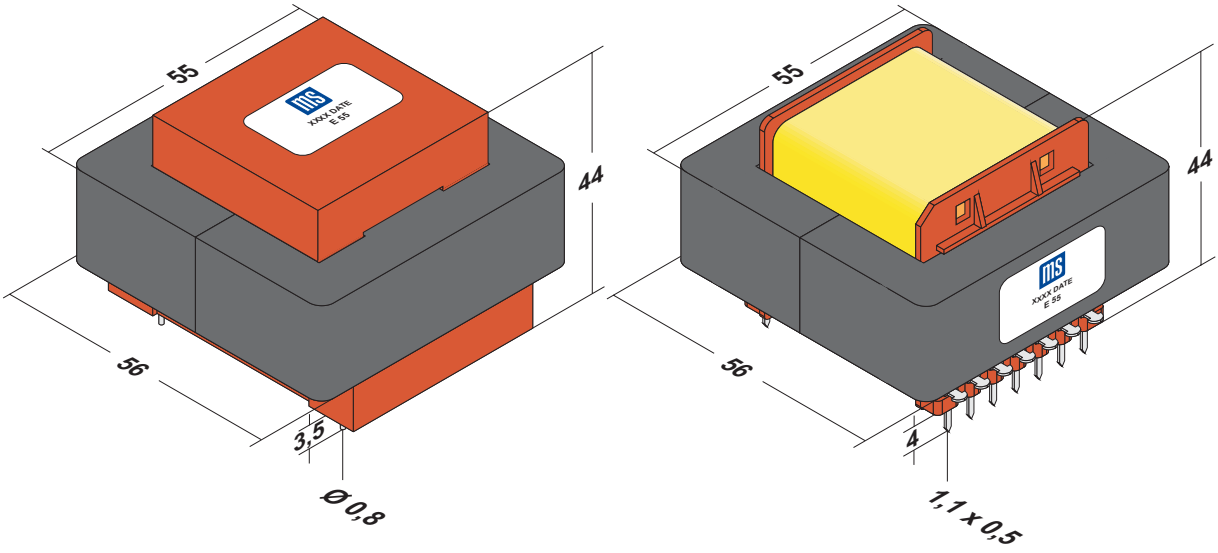
frequency	flyback	forward	push-pull
25 kHz	110 VA	140 VA	275 VA
50 kHz	220 VA	270 VA	460 VA
100 kHz	350 VA	400 VA	650 VA

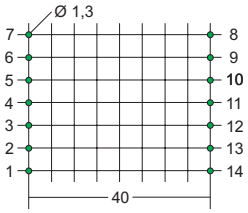
- application as SMPS, potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

schmelzer transformers

type EE 55/21 impregnated 180 … 1000 VA





view on pin side
pin grid = 5 mm

EE 55

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

frequency	flyback	forward	push-pull
25 kHz	180 VA	230 VA	460 VA
50 kHz	360 VA	440 VA	770 VA
100 kHz	-	680 VA	1000 VA

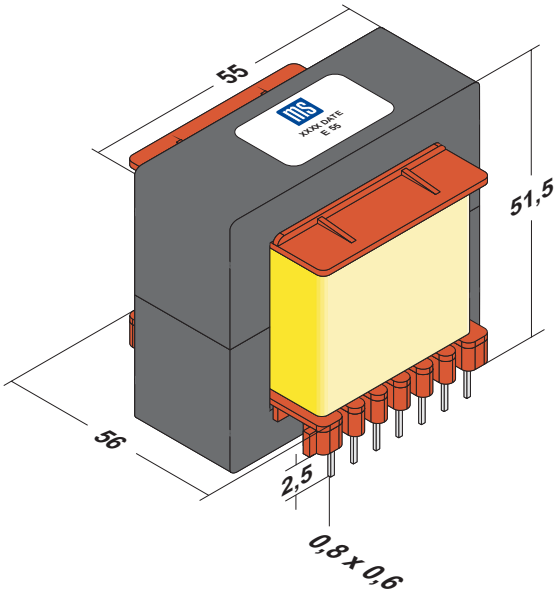
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

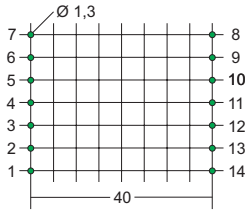
Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 55/21

180 … 1000 VA

standing impregnated





view on pin side
pin grid = 5 mm

EE 55

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

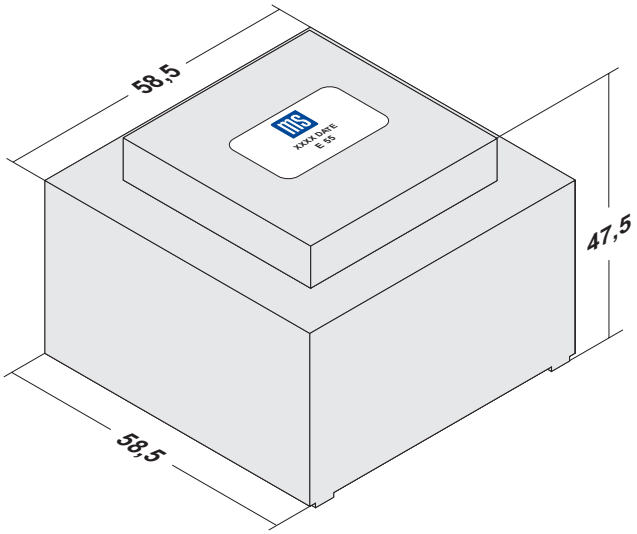
frequency	flyback	forward	push-pull
25 kHz	180 VA	230 VA	460 VA
50 kHz	360 VA	440 VA	770 VA
100 kHz	-	680 VA	1000 VA

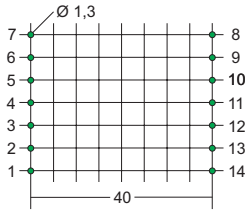
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C) copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 55/21 potted

200 … 1100 VA





view on pin side
pin grid = 5 mm

EE 55

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

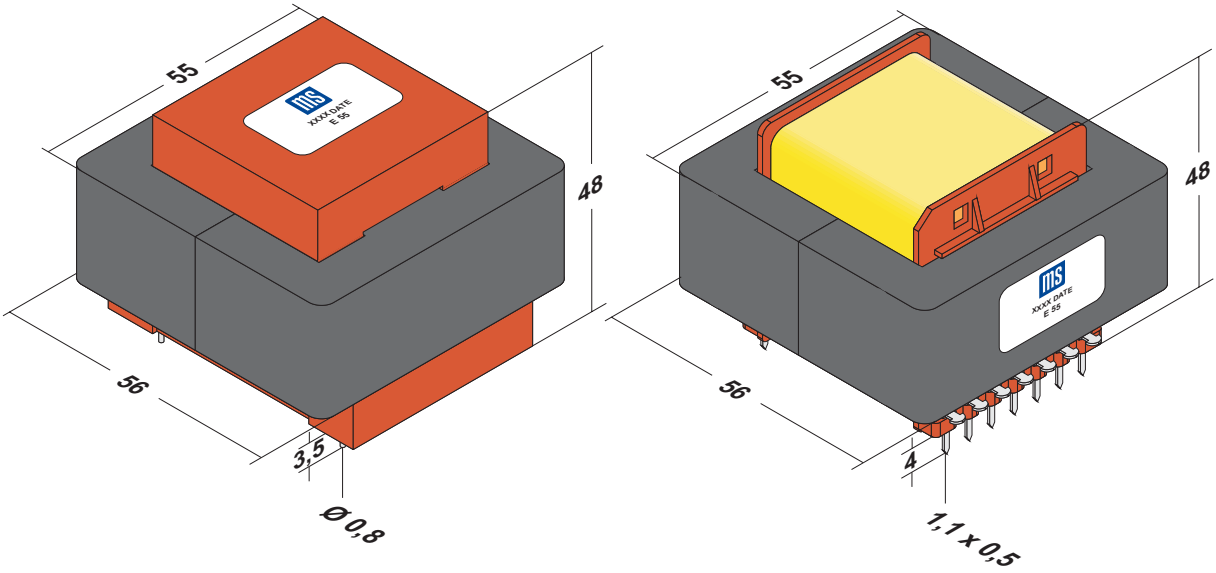
frequency	flyback	forward	push-pull
25 kHz	200 VA	250 VA	500 VA
50 kHz	400 VA	480 VA	850 VA
100 kHz	-	750 VA	1100 VA

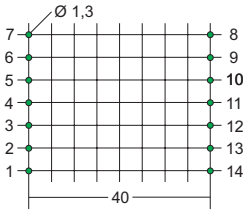
- application as SMPS, potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 55/25 impregnated

240 … 1350 VA





view on pin side
pin grid = 5 mm

EE 55

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

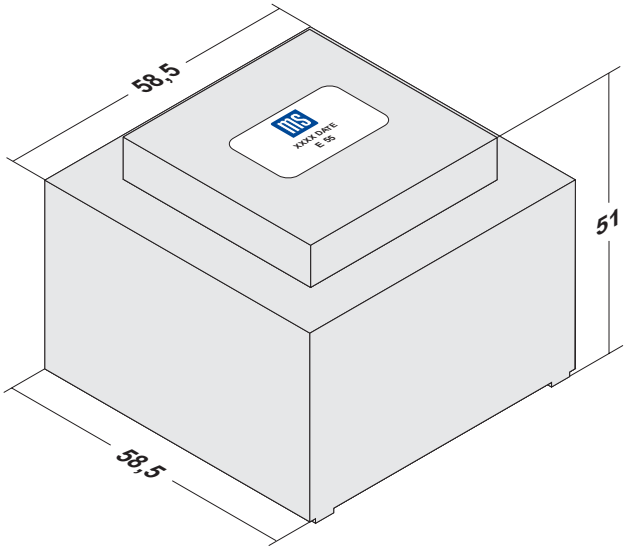
frequency	flyback	forward	push-pull
25 kHz	240 VA	310 VA	625 VA
50 kHz	-	600 VA	1000 VA
100 kHz	-	920 VA	1350 VA

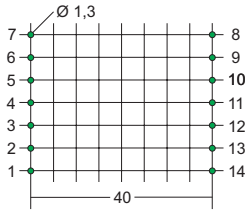
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 55/25 potted

260 … 1500 VA





view on pin side
pin grid = 5 mm

EE 55

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

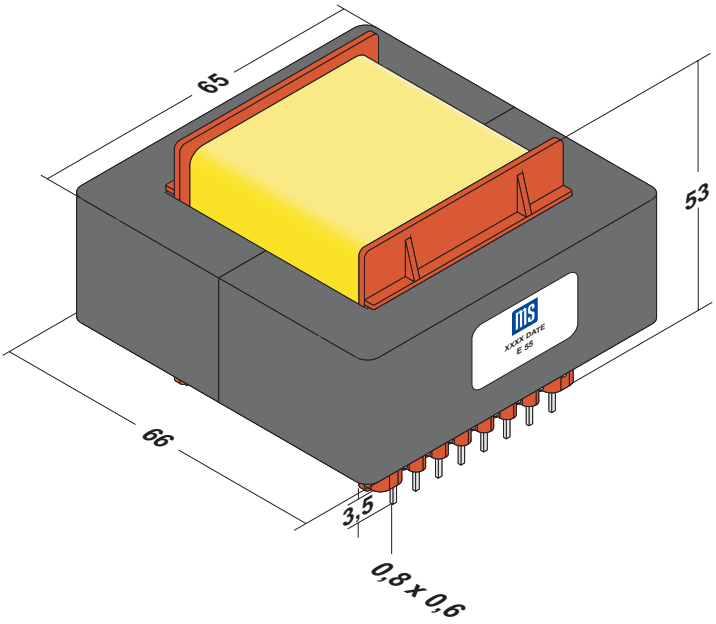
frequency	flyback	forward	push-pull
25 kHz	260 VA	340 VA	680 VA
50 kHz	-	650 VA	1100 VA
100 kHz	-	1000 VA	1500 VA

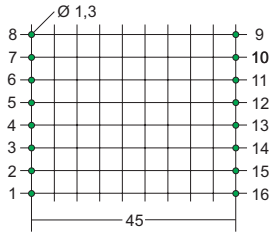
- application as SMPS, potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 65 impregnated

340 … 1750 VA





view on pin side
pin grid = 5 mm

EE 65

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

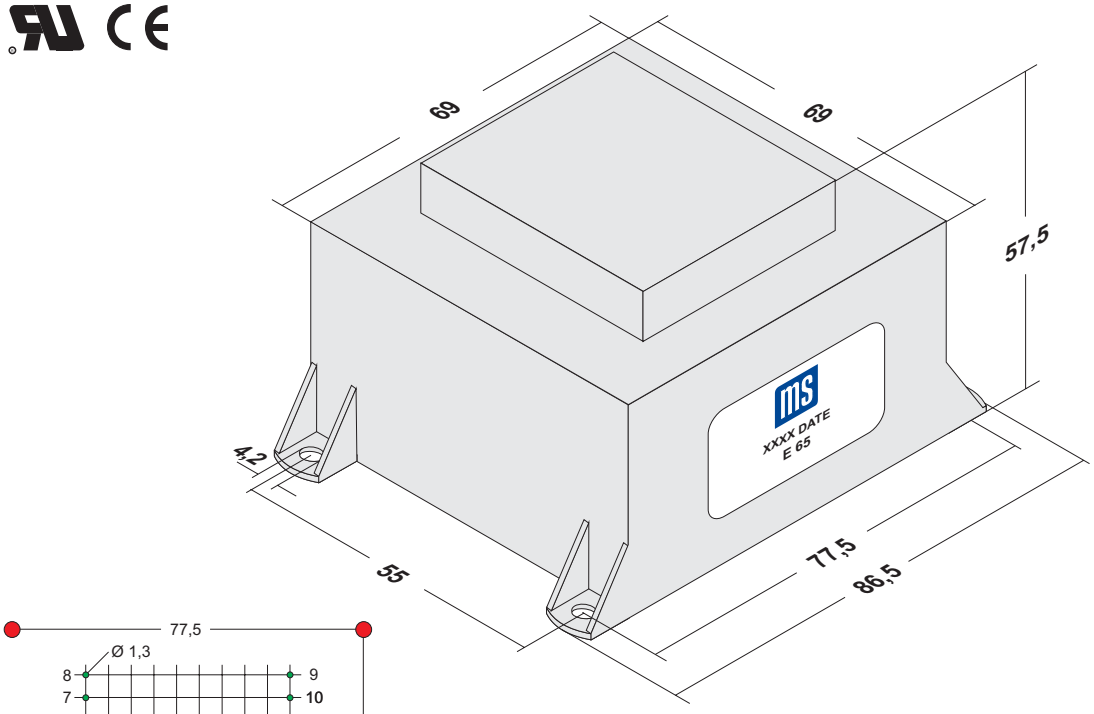
frequency	flyback	forward	push-pull
25 kHz	340 VA	400 VA	800 VA
50 kHz	400 VA	760 VA	1250 VA
100 kHz	-	1150 VA	1750 VA

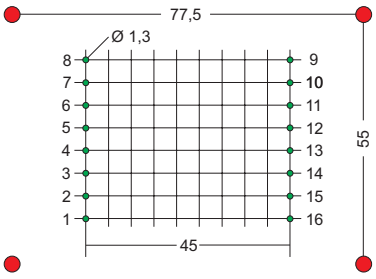
- application as SMPS, open or impregnated
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for impregnated transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de

type EE 65 potted

370 … 1950 VA





view on pin side
pin grid = 5 mm

EE 65

maximum power as flyback-, forward- or push-pull working type
guide number on practical experience and computer based model calculations
power table is for ta 40°C / B, impregnated with N27 / N67 (standard)

frequency	flyback	forward	push-pull
25 kHz	370 VA	440 VA	880 VA
50 kHz	-	825 VA	1350 VA
100 kHz	-	1250 VA	1950 VA

- application as SMPS, potted
- application also as storage choke
- custom-built development for switching frequencies from 20 kHz - 300 kHz (500 kHz) on your application, also for multiple output voltages
- construction for safety electrical disconnection satisfying EN 61558-2-17 (VDE 0570 part 2-17) respectively EN 60950 respectively EN 60065 or IEC 601
- optional: UL-insulating system class B for potted transformer
- ferrite components N 27, N 67, N 87 or N 97
- also until ta 105°C and class F (155°C) as special version possible
- possible winding technique: copper wire and/or HF stranded wire in class F (155°C)
  copper foil winding, polyimid insulated wires (3-times bandage)

Manfred Schmelzer GmbH
Waidplatzstrasse 6-8 · D-79331 Teningen-Nimburg
phone: +49 76 63 / 94 47 -0 · fax: +49 76 63 / 94 47 -50
info@ms-transformers.de
www.ms-transformers.de