

Common-Mode Chokes - CMESC 10-14



- Operating single phase voltage 250 Vrms
- Low strayfield winding structure
- Thermoplastic cases.
- Materials meet with UL94-V0 rating
- Through hole design
- Operating temperature range : -40 °C to +70 °C

Electrical Data

ID Code	In A	Ln mH $\pm 30\%$	Rdc Typ Ω
CMESC10 47M 1X	0.3	47	1.60
CMESC10 39M 1X	0.4	39	1.20
CMESC10 27M 1X	0.5	27	0.60
CMESC10 18M 1X	0.55	18	0.50
CMESC10 15M 1X	0.6	15	0.45
CMESC10 10M 1X	0.8	10	0.20
CMESC10 6M8 1X	1.2	6.8	0.15
CMESC10 3M3 1X	1.5	3.3	0.09
CMESC10 2M0 1X	2.0	2.0	0.06

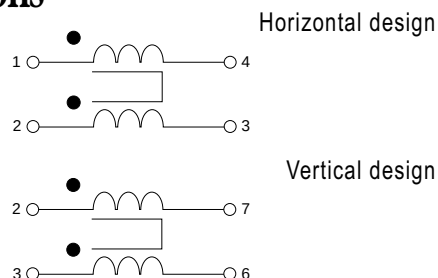
CMESC11 47M 1X	0.4	47	1.20
CMESC11 39M 1X	0.5	39	0.90
CMESC11 27M 1X	0.8	27	0.60
CMESC11 18M 1X	0.9	18	0.50
CMESC11 15M 1X	1.0	15	0.30
CMESC11 10M 1X	1.2	10	0.20
CMESC11 6M8 1X	1.5	6.8	0.10
CMESC11 3M3 1X	2.5	3.3	0.07
CMESC11 2M0 1X	3.0	2.0	0.04

CMESC12 47M 1X	0.6	47	0.90
CMESC12 39M 1X	0.7	39	0.70
CMESC12 27M 1X	0.8	27	0.50
CMESC12 18M 1X	1.0	18	0.35
CMESC12 15M 1X	1.2	15	0.25
CMESC12 10M 1X	1.5	10	0.15
CMESC12 6M8 1X	2.0	6.8	0.10
CMESC12 3M3 1X	4.0	3.3	0.04
CMESC12 2M0 1X	6.0	2.0	0.02

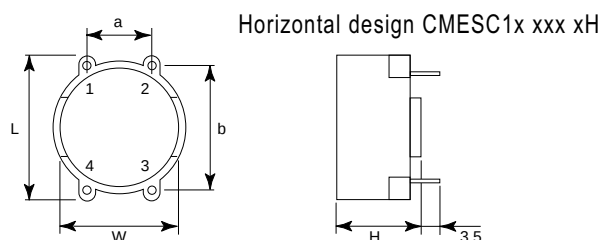
CMESC13 47M 1X	0.8	47	0.70
CMESC13 39M 1X	1.0	39	0.60
CMESC13 27M 1X	1.4	27	0.30
CMESC13 18M 1X	1.5	18	0.25
CMESC13 15M 1X	1.7	18	0.20
CMESC13 10M 1X	1.8	10	0.15
CMESC13 6M8 1X	2.2	6.8	0.10
CMESC13 3M3 1X	4.0	3.3	0.04
CMESC13 2M0 1X	6.0	2.0	0.02

CMESC14 47M 1X	2.0	47	0.35
CMESC14 39M 1X	2.3	39	0.25
CMESC14 27M 1X	2.5	27	0.20
CMESC14 18M 1X	3.0	18	0.15
CMESC14 15M 1X	3.5	15	0.10
CMESC14 10M 1X	4.0	10	0.09
CMESC14 6M8 1X	5.0	6.8	0.05
CMESC14 3M3 1X	8.0	3.3	0.02
CMESC14 2M0 1X	10.0	2.0	0.01

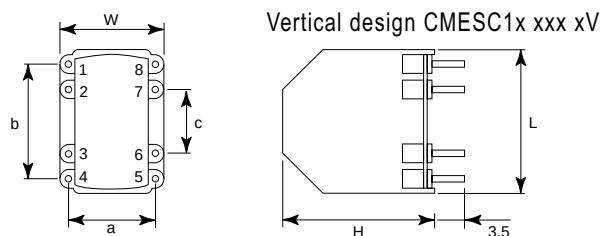
Connections



Typical Dimensions (mm)



ID Code	L	H	W	A	B	pins
CMESC10 xxx xH	17.5	12.5	17	10	15	0.9 x 0.6
CMESC11 xxx xH	22.5	15.0	22	12.5	20	0.9 x 0.6
CMESC12 xxx xH	27.5	17.5	27	15	25	0.9 x 0.6
CMESC13 xxx xH	33.5	19.2	33	20	30	0.7 x 0.7
CMESC14 xxx xH	42.5	24.3	42	15	40	0.7 x 0.7



ID Code	L	H	W	A	B	C	pins
CMESC10 xxx xV	17.8	20	12.8	10	15	5	0.9 x 0.6
CMESC11 xxx xV	23	25	15.5	12.5	20	10	0.9 x 0.6
CMESC12 xxx xV	27	30	18	15	22.5	12.5	0.9 x 0.6
CMESC13 xxx xV	32	35	18	15	27.5	12.5	0.9 x 0.6
CMESC14 xxx xV	42	45	28	25	40	25	1.1 x 0.8

Applications

Suppress asymmetric EMI voltages from 10kHz to 10MHz

