Ordering code: OBIC 112-100.0 cv2D (K)
Applications: AC/DC capacitor for general use in power electronics
also for nonsinusoidal voltages and currents

Standard: acc. to IEC 61071:2007

Characteristics

Rated capacitance	C_N	100	µF ±10%
Rated a.c. voltage	$U_{N\,AC}$	680	V a.c.
Rated d.c. voltage	$U_{N\,DC}$	1120	V d.c.
Max. rms voltage (sinusoidal)	U_{rms}	480	V
Non-recurrent surge voltage	u_s	1680	V
Rated energy	W_N	62.7	Ws
Maximum current	I_{max}	16	A
Maximum peak current	$\hat{I}$	0.87	kA
Maximum surge current	I_s	2.6	kA
Series resistance	R_s	5.1	mΩ
dielectric dissipation factor	$\tan\delta_o$	2	$x10^{-4}$
insulation strength	$C \times R_{is}$	5000	s
Self inductance	L_e	110	nH

thermal characteristics

Lowest operating temperature	Θ_{min}	-25	°C
Maximum operating temperature	Θ_{max}	85	°C
storing temperature	$\Theta_{storage}$	-40..+85	°C
thermal resistance	R_{th}	3.7	K/W

test parameters

test voltage between terminals	U_{TT}	1680	V DC/10s
A.C. voltage test terminal/container	U_{TC}	3000	V AC/10s

failure rate 100 FIT*
reference service life 100000 h
at $\Theta_{hotspot}$ ≤70 °C

* See FIT-RATE diagram on pg.4

Dimensions

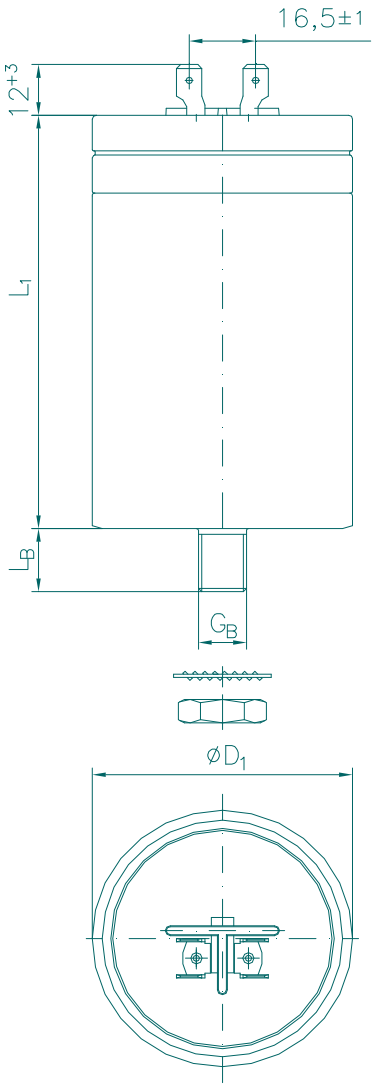
Rated diameter	D_1	75 (±0.5)	mm
Length of the case	L_1	160 (±2.5)	mm
Length of the terminals	L_2	12 (+3)	mm
distance termials	**a**	16.5 (±1)	mm
Terminal		AMP 6.3 x 0.8	mm
base mounting stud	$G_B x L_B$	M12x16 (+1)	mm
Clearance in air	**L**	8	mm
Creepage distance	**K**	10	mm

Approx weight 0.7 kg

Mechanical characteristics

Dielectric	metallized polypropylene capacitor, selfhealing
Construction	aluminium can, plastic with rubber sealing, flanged can
Protection	overpressure disconnector
Terminals	dual tab connectors 6.3 x 0.8 mm / plastic lid
Impregnant	liquid impregnants, no PCB
Fire load	28MJ

outline drawing



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