



Series C55 DC-Link Polypropylene Capacitors

Features: Flame retardant to UL94, extended metalized film, dry connection, plastic casing, tinned copper nut terminals, stable performance, high reliability, small volume, convenient installation.

Applications: Single IGBT switch components of small current welder < 400A

Specifications

1) Operating Temperature

-40°C to 85°C.

2) Capacitance

2 x 10 μ F; 2 x 16 μ F; 2 x 30 μ F.

3) Rated Voltage

400 VDC.

4) Tolerance

\pm 5%.

5) Test Voltage Between Terminals

650V (DC) 60s

6) Test Voltage Between Terminals and Case

2000VAC 10s.

7) Dissipation Factor

0.1% max at 25°C \pm 5°C

8) Insulation Resistance

5000 M Ω · μ F min, at 100 VDC, 25°C \pm 5°C, 60s.

9) Effective Current ($\Delta T < 25^\circ\text{C}$)

20A; 30A; 40A.

10) Equivalent Series Resistance

<2.3m Ω ; <1.8m Ω ; <1.6m Ω .

11) Stray Inductance

\leq 20nH

12) Life Expectancy

200000h at rated DC voltage and 70°C.

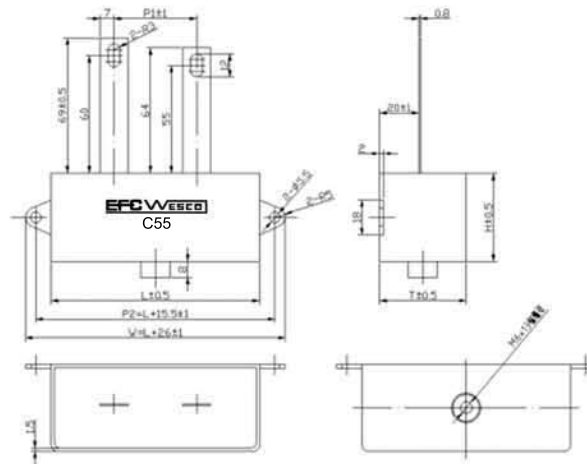
13) Reference Standards

GB/T 17702, IEC 61071

ase
C58 - Round Plastic Shell

C55 Plastic Casing

DC Link Polypropylene Capacitors



Dimensions and Ratings

Cap.	400 VDC						
μF	Part #	Dimension (mm)			(mm)		Lead Type
		L	W	H	P1	P2	
2 x 10	C55SB4012x10KT#	76.0	31.0	35.5	26.7	91.5	Tinned Copper Lug
2 x 16	C55SB4012x16KT#	105.5	43.0	32.0	42.0	120.5	Tinned Copper Lug
2 x 30	C55SB4012x30KT#	105.5	43.5	45.0	28.0	120.5	Tinned Copper Lug