

Type  
4..B

## Facon capacitors in power electronic equipments



ITALY  
**FACON** S.p.A.  
Since 1946

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UNI EN ISO 9001  
**ESQ**  
CERTIFIED QUALITY  
N. 8170.FACO

### Applications

In a.c. and d.c. applications, filtering, commutation and a very large range of different application where high capacitance and/or high voltage are requested; special terminals with high section guarantee high current, high frequency applications.

### Manufacturing

Paralelepiped plastic case in self-extinguishing resin UL94V0 (yellow card), sealing with polyurethane resin UL94V0 (yellow card), screw terminals M10, distance between terminals 55 mm.

### Technical characteristics

Climatic category	: -25/+70°C
Rated frequency	: 50 Hz
Capacitance category	: ±10%
Dissipation factor	: <0,002 at 50 Hz and 20°C
Peak Voltage	: 2 x Vr.dc
Test Voltage between terminals	: 1,5 x V.dc 10"
Test V between term. and case	: 5,0 KV.ac 60"
Max torque on terminal M10	: 20 Nm
Max torque on the fixing points	: 12 Nm
Reference Standard	: EN61071-1; CEI EN 61373 Paragr. 8,9,10

### Service life

Expected life at 40°C	: 150.000 hours
" " at 70°C	: 100.000 hours
" " at 85°C	: 40.000 hours
Failure rate	: ≤200 FIT (≤200.10e-9/h)

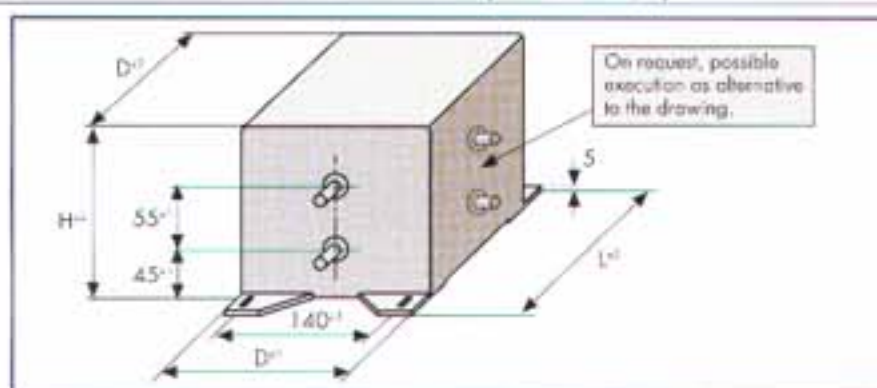


Table B

FACON TYPE	µF	D x L x H	Vr.dc	Vr.ac	dv/dt max. (V/µsec)	ESL (nH)	ESR Max (mΩ)	Rth °C/W
4.TB500505	50	160 x 222 x 150	5000	1250	150	<30	<5,0	2
4.FBC50505	150	160 x 222 x 150	2500	800	80	<30	<1,5	2
4.CBD20505	220	160 x 222 x 150	2200	700	80	<30	<1,5	2
4.CBD30505	230	160 x 222 x 150	2200	700	80	<30	<1,5	2
4.8BE50505	350	160 x 222 x 150	1800	500	35	<30	<1,5	2
4.6BG00505	500	160 x 222 x 150	1250	400	30	<30	<1,5	2
4.6BH50505	650	160 x 222 x 150	1250	400	25	<30	<1,5	2
4.3BL00505	800	160 x 222 x 150	1100	300	20	<30	<1,5	2
4.3BM00505	900	160 x 222 x 150	1100	300	20	<30	<1,0	2
4.3BN00505	1000	160 x 222 x 150	1100	300	20	<30	<1,5	2
4.2BN00505	1000	160 x 222 x 150	900	250	5	<30	<1,5	2
4.2BQ00505	1300	160 x 222 x 150	900	250	5	<30	<1,5	2
4.1BS00505	1500	160 x 222 x 150	700	200	5	<30	<1,5	2
4.1BX00505	2000	160 x 222 x 150	700	200	5	<30	<1,5	2