GUASCH COMPONENTES Y ELECTRONICA DE POTENCIA

KPF IGBT Snubber Capacitors

by ALCON ELECTRONICS

HIGHLIGHTS

Self- healing property.
Low inductance.
High dv/dt.
Low ESR.
Low loss polypropylene dielectric.
Immediate availability.

ALCON ELECTRONICS

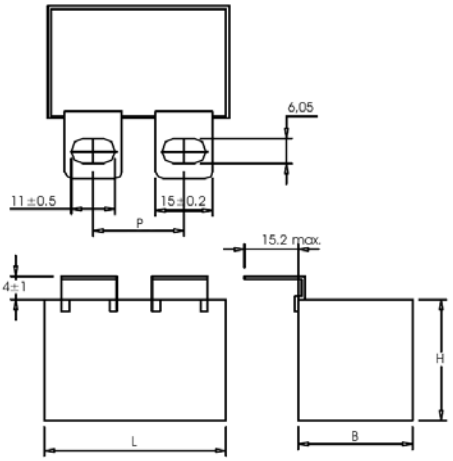


TECHNICAL SPECIFICATIONS

Dielectric material	Polypropylene film
Electrode material	Aluminium foil and metallised plastic film
Winding construction	Non-inductive, extended foil
Lead material	Tinned copper
Enclosure	UL 94 V0 Preformed plastic case with thermosetting resin fill
Rated voltage V_{DC}	1250 / 1500 / 2000
Rated voltage V_{AC}	550 / 630 / 750
Capacitance range	0,15µF to 1,5µF
Capacitance tolerance	±10%
Test voltage	Between terminals: 1.6 x rated voltage V_{DC} for 2s.
	Terminal to case: 3kV_{AC} @ 50Hz for 60s.
Temperature range	-40ºC to +85ºC
Insulation resistance	Measured at +25ºC, 500V_{DC}, 60s.:
	C ≤ 0,33µF: ≥ 100.000 MΩ
	C ≥ 0,33µF: ≥ 30.000 MΩ
Dissipation factor Tan δ	≤0,0005 @ 1 kHz & 25ºC

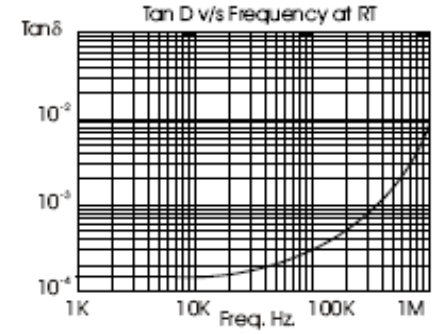
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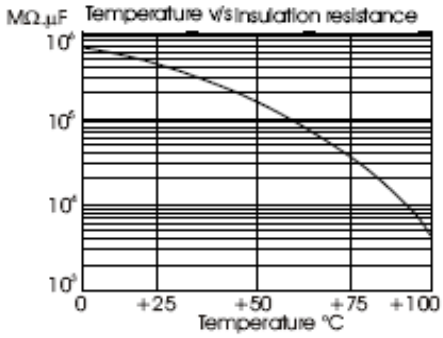
Capacitance (µF)	Case	dv/dt (V/µs)	I_{PEAK} (A)	I_{RMS} @ 100 kHz. / 55ºC	ESR max. @ 100 kHz (mΩ)
1250 V_{DC} rated voltage					
0,22	B1	1400	308	18,2	4,2
0,33		1200	396	19,7	3,7
0,47			564	21,1	3,5
0,68	E1	1100	748	21,3	
1,00	B2		1100	26	3
1,50	E2	800	1200		2,5
1500 V_{DC} rated voltage					
1,00	E2	1300	1300	26	3
2000 V_{DC} rated voltage					
0,15	B1	1900	285	15,11	7
0,22	E1		418	19,8	4,5
0,33	B2	1700	561	22,2	4,1
0,47	B3		799	22,5	4
0,68	E3	1600	1088	22,8	3,7

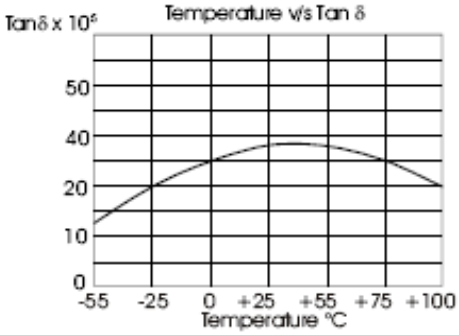


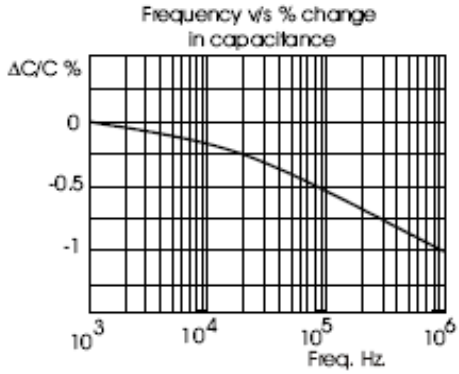
DIMENSIONS TABLE

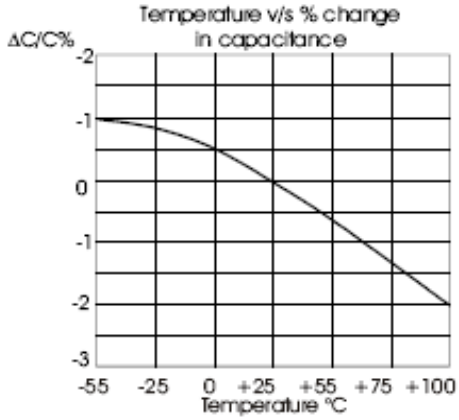
Case	B	H	L	P
B1	17	29	41,5	25,5
B2	24	38	45	25,5
B3	30	45	45	27
E1	20	36	42	25,5
E2	35	42	45	27
E3	35	46	54	27











ORDER FORM:

KPF 1.00µF/1250VDC E2 RL
(1) (2) (3) (4) (5)

1-Series identificator (KPF)
2-Capacitance value
3- Rated DC voltage value
4- Case identifier
5- Terminal identifier (RL)

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