



THT, Radial E-Cap., Snap-In, 105°C permissible Overvoltage, Withstanding 2000 hours application of rated ripple current at 105°C, Reduction of short incidence when overvoltage (rated voltage x 1.5) is applied to a capacitor, ROHS Conform, Packing Box

Items		Performance Characteristics									
Operating temperature range		-40°C~+105°C (200V, 250V) -25°C~+105°C (400V,450V)									
Leakage current max.		I=3 √cv (μA) (after 5 minutes)									
Capacitance tolerance		±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)	WV		200	250		400	450				
	TanQ		0,15	0,15		0,15	0,20				
Load life (after application of the rated voltage for 10000hrs at 105°C)	Leakage Current	Less than specified Value									
	Capacitance Change	Within ±20% off initial Value									
	TanQ	Less than 200% of specified value									
Shelf life (after leaving capacitor under no load at 105°C for 1000hours)	Leakage Current	Less than specified Value									
	Capacitance Change	Within ±15% off initial Value									
	TanQ	Less than 150% of specified value									

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV / Frequency	50HZ	60Hz	120Hz	300Hz	1kHz	10kHz≤	50kHz≤
200, 250	0,81	0,85	1,00	1,17	1,32	1,45	1,50
400, 450	0,77	0,82	1,00	1,16	1,30	1,41	1,43

Technical Details

Range (μF)	220	ØD(mm)	35,0
Voltage	450	L(mm)	25,0
Impedance (Ω)	-. -	F(mm)	10,0
Ripple Current (mA)	1,05	Ød(mm)	0
ESR (Ω) max.at 20°C 10KHz	-. -	α(mm)	0
Lifetime (hrs)	2000		2,0
Operating- Temperature Range (°C)	-.25°C ~ +105°C		-. -

ØD≤40



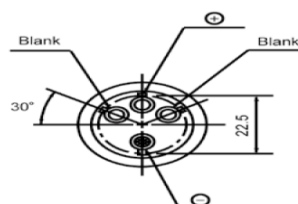
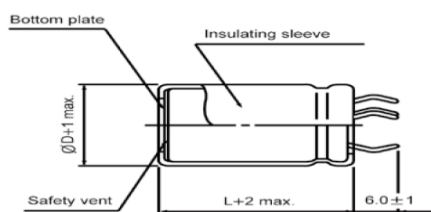
PC Board Mounting Holes

Terminal



* Shorter terminal(4.0±0.5) is also available upon request.
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

ØD=35, 40



PC Board Mounting Holes



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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14088-4512213525	M	R	BU
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Serie	Voltage (V)	Range μ H)	D * L (mm)	Tolerance Order Code	R= ROHS N= NON ROHS	BU= Bulk-Ware (Box)

Soldering Information

Lead Solder Performance



Lead free Solder Performance



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