



THT, Radial E-Cap., Snap-In, ,105°C High Speed charge discharge, Suited for high frequency voltage for AC servomotor, general inverter, Suited for equipment used at voltage fluctuating area, suited for rectifier circuit of voltage doubler, ROHS Conform, Packing Box

Items			Performance Characteristics										
Operating temperature range			-40°C ~ +105°C										
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			350	400	420	450				
			TanQ			0,15	0,15	0,20	0,20				
Endurance of charge-discharge behavior			Leakage Current						Less than specified Value				
			Capacitance Change						Within ±20% off initial Value				
			TanQ						Less than 300% of specified value				
Load life (after application of the rated voltage for 2000hrs 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 (at 105°C)			Shell Life (after leaving capacitor under no load at 105°C for 1000hrs)										

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV / Frequency	50HZ	60HZ	120Hz	300Hz	1kHz	10kHz	50kHz≤
350 ~ 450	0,77	0,82	1,00	1,16	1,30	1,41	1,43

Technical Details

Range (μF)	270	ØD(mm)	25,0
Voltage	450	L(mm)	50,0
Impedance (Ω)	-. -	F(mm)	10,0
Ripple Current (mA)	1,23	Ød(mm)	0
ESR (Ω) max.at 20°C 10KHz	-. -	α(mm)	0
Lifetime (hrs)	3000	-. -	2,0
Operating- Temperature Range (°C)	-.25°C ~ +105°C	-. -	-. -

ØD≤40



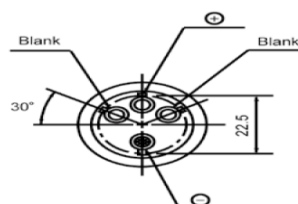
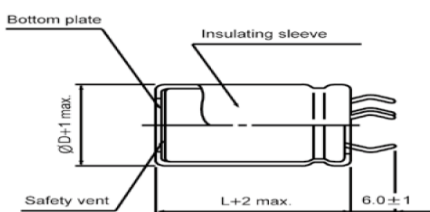
PC Board Mounting Holes

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



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	15.01.2025
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14089-4512712550	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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