



THT, Radial E-Cap., Snap-In, Long Life, Best for switching Power Supplies, Load Life 5000 hours at 105°C, ROHS Conform, Packing Box

Items		Performance Characteristics									
Operating temperature range		-40°C ~ +105°C (10V ~ 250V); -25°C ~ +105°C (350V ~ 450V)									
Leakage current max.		$I = 3\sqrt{CV} \mu A$ (after 5 minutes)									
Capacitance tolerance		±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)	WV	10	16	25	35	50	63	80, 100	160~400	450	
	TanQ	0,55	0,50	0,40	0,35	0,30	0,25	0,20	0,15	0,20	
Load life (after application of the rated voltage for 5000hrs 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)	Leakage Current	Less than specified Value									
	Capacitance Change	Within ±20% off initial Value									
	TanQ	Less than 200% of specified value									

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV	Frequency	50HZ	120Hz	300Hz	1kHz		10kHz≤
10 ~ 100		0,85	1,00	1,06	1,15		1,20
160 ~ 250		0,85	1,00	1,20	1,25		1,45
350 ~ 450		0,85	1,00	1,15	1,20		1,40

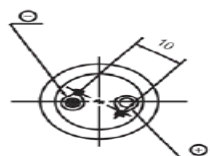
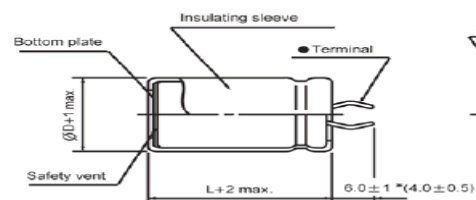
Technical Details

Range (μF)	180	ØD(mm)	35,0
Voltage	500	L(mm)	30,0
Impedance (Ω)	-.-	F(mm)	10,0
Ripple Current (mA)	1,1	Ød(mm)	0
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	0
Lifetime (hrs)	5000	-.-	2,0
Operating- Temperature Range (°C)	-25°C ~ +105°C	-.-	-.-

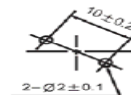
DRAWING

Unit : mm

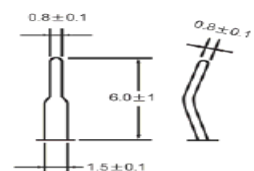
ØD≤40



PC Board Mounting Holes

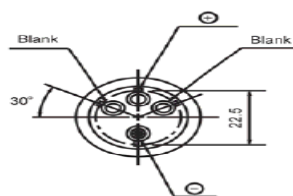
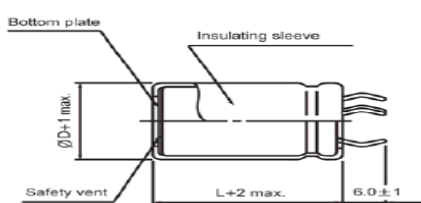


Terminal

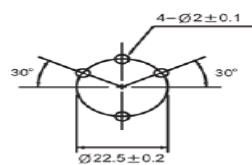


* Shorter terminal(4.0±0.5) is also available upon request.
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

ØD=35, 40



PC Board Mounting Holes



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	28.01.2025
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Ordering Informations:

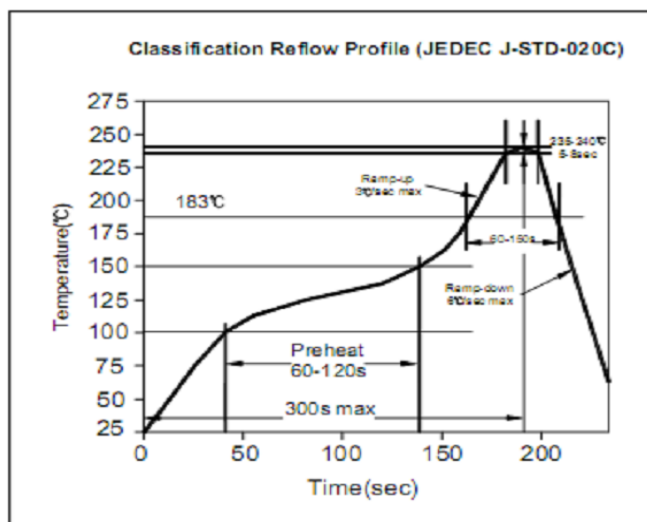
Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14124-5011813530	M	R	BU
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Serie	Voltage (V)	Range μ H)	D * L (mm)	Tolerance Order Code	R= ROHS N= NON ROHS	BU= Bulk-Ware (Box)

Soldering Information

Lead Solder Performance



Lead free Solder Performance



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	28.01.2025
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