



THT, Radial E-Cap., Snap-In, High Temperature Range for 125°C, With guaranteed useful life of 10 Years at 60°C, Ideal for industrial applications requiring continuous operation, ROHS Conform, Packing Box

Items		Performance Characteristics										
Operating temperature range		-40°C ~ +125°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		10	16	25	35	50	63	80, 100	160~250		
	TanQ		0,55	0,50	0,40	0,35	0,30	0,25	0,20	0,15		
Load life (after application of the rated voltage for 1000hrs at 125°C)	Leakage Current	Less than specified Value										
	Capacitance Change	Within ±20% off initial Value										
	TanQ	Less than 200% of specified value										
Shelf life (at 125°C)		After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value.										

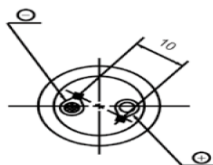
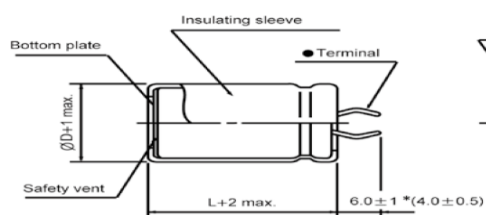
FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

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

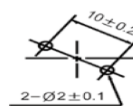
Technical Details

Range (μF)	680	ØD(mm)	22,0
Voltage	50	L(mm)	30,0
Impedance (Ω)	-.-	F(mm)	10,0
Ripple Current (mA)	0,78	Ød(mm)	0
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	0
Lifetime (hrs)	1000	-.-	2,0
Operating- Temperature Range (°C)	-40°C ~ +125°C	-.-	-.-

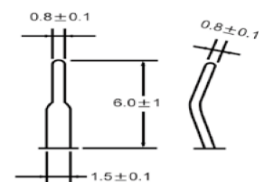
ØD≤40



PC Board
Mounting Holes

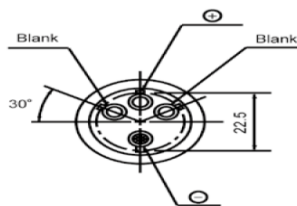
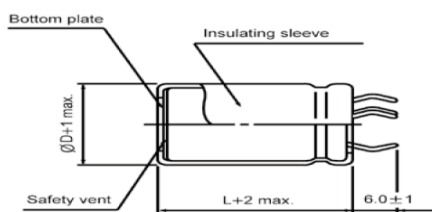


Terminal

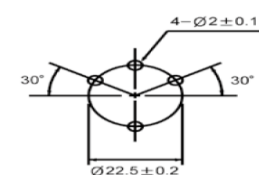


* Shorter terminal(4.0±0.5) is also available upon request.
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

ØD=35, 40



PC Board
Mounting Holes



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	17.01.2025
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 2

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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14090-5006812230	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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