



THT, Radial E-Cap., Non-polarized, and low profile with 5mm Height, Uniquely designed for use in lightweight and portable equipment, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

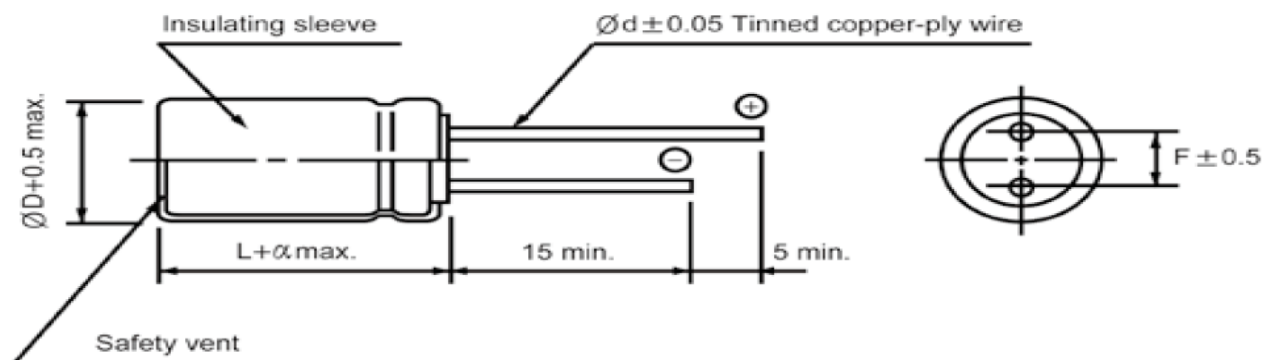
Items			Performance Characteristics									
Operating temperature range		-40°C +85°C										
Leakage current max.												
		I = 0,05CV or 10μA whichever is greater (after 2 minutes)										
Capacitance tolerance		±20% at 120Hz, 20°C										
Dissipation factor max. (at 120Hz, 20°C)												
		WV	6,3	10	16	25	35	50				
		TanQ	0,24	0,20	0,17	0,17	0,15	0,15				
Low temperature characteristics (Impedance ratio at 120Jz)	WV	6,3	10	16	25	35	50					
	Z-25°C / Z+20°C	4	3	2	2	2	2					
	Z-40°C / Z+20°C	8	6	4	4	3	3					
Load life (after application of the rated voltage for 1000hrs at 85°C)		Leakage Current						Less than specified Value				
		Capacitance Change						Within ±20% of initial value				
		TanQ						Less than 200% of specified value				
		Test method						Polarity reverse each 250 hours				
Shelf life (at 85°C)		After 1000 hours no load test, leakage current, capacitance and tanQ are same as load life value.										

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

	Frequency	50Hz	120Hz	1kHz	10kHz≤		
	Coefficient	0,75	1,00	1,55	2,00		

Technical Details

Range (µF)	0,1	ØD(mm)	4,0
Voltage	50	L(mm)	5,0
Impedance (Ω)	.-.	F(mm)	1,0
Ripple Current (mA)	3,2	Ød(mm)	0,45
ESR (Ω) max.at 20°C 10KHz	.-.	α(mm)	1
Lifetime (hrs)	1000	.-.	.-.
Operating- Temperature Range (°C)	-40°C ~ +85°C	.-.	.-.



ØD	4	5	6,3
F	1,50	2,00	2,50
Ød	0,45	0,45	0,45
α	1,0		

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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I14107-500R100405	M	R	BU
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Serie	Voltage (V)	Range μ H)	D * L (mm)	Tolerance Order Code	R= ROHS	BU= Bulk-Ware Long Lead
					N= NON ROHS	T/B= Tape/Box
						L3= Lead-Length 3~3,5mm

Soldering Information

Lead Solder Performance



Lead free Solder Performance



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