



THT, Radial E-Cap., Ultra Miniature Type Height 5mm, Suitable to replace tantalum Capacitor at low cost. Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items			Performance Characteristics										
Operating temperature range			-40°C +85°C										
Leakage current max.													
			I = 0,01CV + 3μA whichever is greater (after 2 minutes)										
Capacitance tolerance			±20% at 120Hz, 20°C										
Dissipation factor max. (at 120Hz, 20°C)													
			WV	4	6,3	10	16	25	35	50	63		
			TanQ	0,35	0,24	0,20	0,16(0,20)	0,13(0,15)	0,12(0,14)	0,09(0,11)	0,09(0,11)		
Low temperature characteristics (Impedance ratio at 120Jz)			4	6,3	10	16~63							
		Z-25°C / Z+20°C	6	4	3	2							
		Z-40°C / Z+20°C	12	8	6	4							
Load life (after application of the rated voltage for 2000hrs at 85°C)			Leckage Current							Less than specified Value			
			Capacitance Change							Within ±20% off initial Value			
			TanQ			Less than 200% of specified value							
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

	µF/Frequency	50HZ	120Hz	1kHz	10kHz		100kHz≤
	~47	0,75	1,00	1,55	2,00		2,00
	68~680	0,80	1,00	1,35	1,50		1,75

Technical Details

Range (µF)	10	ØD(mm)	6,3
Voltage	50	L(mm)	5,0
Impedance (Ω)	-.-	F(mm)	2,5
Ripple Current (mA)	56	Ød(mm)	0,45
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	1
Lifetime (hrs)	2000	-.-	-.-
Operating- Temperature Range (°C)	-40°C ~ +85°C	-.-	-.-



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	19.12.2024
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14001-5001000605	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 Long Lead T/B= Tape/Box L3= Lead-Length 3~3,5mm
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Soldering Information

Lead Solder Performance



Lead free Solder Performance



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