



THT, Radial E-Cap., High Reliability, Suitable for Slim application, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items		Performance Characteristics									
Operating temperature range		-40°C +105°C (250V) , -25°C to +105°C (350V~500V)									
Leakage current max.											
		I = 0,02CV + 15μA (after 5 minutes)									
Capacitance tolerance		±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)											
		WV								250	350~500
		TanQ								0,15	0,20
Low temperature characteristics (Impedance ratio at 120Jz)									250	350~500	
	Z-25°C / Z+20°C	2							3	8	
	Z-40°C / Z+20°C	3							4	-	-
Load life (after application of the rated voltage for 2000hrs at 105°C)		Leakage Current							Less than specified Value		
		Capacitance Change							Within ±20% of initial value		
		TanQ							Less than 200% of specified value		
Shelf life (at 105°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		100kHz≤
	Coefficient	0,75	1,00	1,35	1,50		2,00

Technical Details

Range (µF)	15		ØD(mm)	8,0			
Voltage	450		L(mm)	40,0			
Impedance (Ω)	-.-		F(mm)	3,5			
Ripple Current (mA)	165		Ød(mm)	0,5			
ESR (Ω) max.at 20°C 10KHz	-.-		α(mm)	1,5			
Lifetime (hrs)	2000		-.-	-.-			
Operating- Temperature Range (°C)	-25°C ~ +105°C		-.-	-.-			



ØD	8	10	12,5
F	3,5	5,0	5,0
Ød	0,5	0,6	0,6
α	1,5	2,0	

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	03.02.2025
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14114-4511500840	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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