



THT, Radial E-Cap., NON-Polarized, Miniatur Size H=7mm, 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 + 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	63		
		TanQ		0,24	0,20	0,17	0,16	0,15	0,12	0,10		
Low temperature characteristics (Impedance ratio at 120Jz)				6,3	10	16	25	35	50	63		
	Z-25°C / Z+20°C			4	3	2	2	2	2	2		
	Z-40°C / Z+20°C			8	6	4	4	4	4	4		
Load life (after application of the rated voltage for 2000hrs at 85°C)		Leakage Current							Less than specified Value			
		Capacitance Change							Within ±20% off initial Value			
		TanQ							Less than 150% 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)	15	ØD(mm)	4,0
Voltage	6,3	L(mm)	7,0
Impedance (Ω)	-.-	F(mm)	1,5
Ripple Current (mA)	35	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	-.-	-.-



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

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	04.01.2025
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14118-6V31500407	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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