



THT, Radial E-Cap., High Reliability withstanding to 10000hours at 105°C, WV to 500V, 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 ~ +105°C (350~500V)									
Leakage current max.		I = 0,02CV + 15µA (after 5 minutes)									
Capacitance tolerance		±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)		Capacitance > 1000µF ; tanQ increases by 0,02 for each 1000µF from below value.									
	WV									250	350~500
	TanQ									0,15	0,20
Low temperature characteristics (Impedance ratio at 120Jz)	WV									250	350~500
	Z-25°C / Z+20°C									3	8
	Z-40°C / Z+20°C									4	-
Load life (after application of the rated voltage for 10000hrs at 105°C)	Leakage Current	Less than specified Value									
	Capacitance Change	Within ±20% of initial value									
	TanQ	Less than 200% of specified value									
		Ø8, (250V)= 5000hours Ø10~Ø12,5 : (250V) 10000Hours,; 350~500V : 5000hours									
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)	47	ØD(mm)	8,0
Voltage	250	L(mm)	50,0
Impedance (Ω)	.-.	F(mm)	3,5
Ripple Current (mA)	375	Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	.-.	α(mm)	1,5
Lifetime (hrs)	5000	.-.	.-.
Operating- Temperature Range (°C)	.-40°C ~ +105°C	.-.	.-.



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

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	17.01.2025
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14115-2514700850	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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