



THT, Radial E-Cap., Extremely low Impedance at high Frequency High Reliability, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items			Performance Characteristics										
Operating temperature range			-40°C +105°C (6,3V~100V / -40°C ~+105°C (160V-250V ; -25~ +105°C (350~500V)										
Leakage current max.			WV≤100							WV≥100			
			I = 0,01CV or 3μA whichever is greater (after 2 minutes)							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	6,3	10	16	25	35	50	63	100	160~250	350~500
			TanQ	0,22	0,19	0,16	0,14	0,12	0,10	0,09	0,08	0,15	0,20
Low temperature characteristics (Impedance ratio at 120Jz)	WV	6,3	10	16	25	35	50	160	160~250	350~500			
	Z-25°C / Z+20°C	4	3	2	2	2	2	3	3	8			
	Z-40°C / Z+20°C	8	6	4	3	3	3	4	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

	μF/Frequency		120Hz	1kHz	10kHz		100kHz≤
	~33		0,40	0,65	0,82		1,00
	47~220		0,50	0,70	0,84		1,00
	330~680		0,55	0,75	0,86		1,00
	820~1500		0,60	0,80	0,88		1,00
	2200~15000		0,70	0,85	0,90		1,00

Technical Details

Range (μF)	1000	ØD(mm)	16,0
Voltage	50	L(mm)	25,0
Impedance (Ω)	0,043	F(mm)	7,5
Ripple Current (mA)	1600	Ød(mm)	0,8
ESR (Ω) max.at 20°C 10KHz	~.	α(mm)	2
Lifetime (hrs)	2000	~.	~.
Operating- Temperature Range (°C)	.-40°C ~ +105°C	~.	~.



ØD	5	6,3	8	10	12,5	16	18
F	2,0	2,5	3,5	5,0	5,0	7,5	7,5
Ød	0,5			0,6		0,8	
α	1,5			2,0			

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	28.01.2025
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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I14111-5001021625	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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