



THT, Radial E-Cap., Super miniature Serie with 7mm height, Suited for use in compact audio equipment, 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	0,14	0,12	0,10	0,10		
Low temperature characteristics (Impedance ratio at 120Jz)			4	6,3	10	16	25	35	50	63		
	Z-25°C / Z+20°C		6	4	3	2	2	2	2	2		
	Z-40°C / Z+20°C		12	8	6	4	4	3	3	3		
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				
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 RIPPE 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)	0,68	ØD(mm)	4,0
Voltage	50	L(mm)	7,0
Impedance (Ω)	-.-	F(mm)	1,5
Ripple Current (mA)	12	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	8
F	1,5	2,0	2,5	3,5
Ød	0,45	0,45	0,45	0,45
α	1,0			

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	04.01.2025
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 2



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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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114117-500R680407	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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