



THT, Radial E-Cap., Standard Serie for general purposes, High CV value, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag/Box

Items		Performance Characteristics										
Operating temperature range		-40°C +105°C (6,3V~450V; -25°C ~+105°C (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)				
		I = 0,03CV or 4µA whichever is greater (after 1 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	0,28	0,24	0,20	0,16	0,14	0,12	0,10	0,08	0,15	0,20
Low temperature characteristics (Impedance ratio at 120Jz)	WV	6,3	10	16	25	35	50~100	160	200~350	400~450	500	
	Z-25°C / Z+20°C	5	4	3	2	2	2	4	6	10	12	
	Z-40°C / Z+20°C	12	10	8	5	4	3	6	8	12	-	
Load life (after application of the rated voltage for 2000hrs at 85°C)		Leakage Current						Less than specified Value				
		Capacitance Change						Within ±20% of initial value				
		TanQ						Less than 200% 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 RIPPLE CURRENT

WV	µF/Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz≤
6,3~100	~47	0,75	1,00	1,55	2,00	2,00	2,00
	68~680	0,80	1,00	1,35	1,50	1,62	1,75
	820~	0,85	1,00	1,15	1,15	1,32	1,50
160~500	~220	0,80	1,00	1,40	1,60	1,70	1,80
	330~	0,90	1,00	1,13	1,15	1,32	1,50

Technical Details

Range (µF)	6,8	ØD(mm)	8,0
Voltage (V)	160	L(mm)	11,5
Impedance (Ω)	-.-	F(mm)	3,5
Ripple Current (mA)	57	Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	1,5
Lifetime (hrs)	2000	-.-	-.-
Operating- Temperature Range (°C)	-40°C ~ +105°C	-.-	-.-



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	09.12.2024
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Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
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114009-1616R80812	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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