



THT, Radial E-Cap., Non-polarized, Wide operating temperature Range, Designed for use in circuits with reversing polarity, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items			Performance Characteristics											
Operating temperature range		-40°C +105°C												
Leakage current max.														
		I = 0,03CV + 3µA whichever is greater (after 5 minutes)												
Capacitance tolerance		±20% at 120Hz, 20°C												
Dissipation factor max. (at 120Hz, 20°C)														
		WV	6,3	10	16	25	35	50	63	80	100			
		TanQ	0,24	0,20	0,16	0,16	0,14	0,12	0,12	0,12	0,12			
Low temperature characteristics (Impedance ratio at 120Jz)		6,3	10	16	25	35	50	63	63	100				
	Z-25°C / Z+20°C	4	3	2	2	2	2	2	2	2				
	Z-40°C / Z+20°C	8	6	4	3	3	3	3	3	3				
Load life (after application of the rated voltage for 1000hrs at 105°C)		Leakge Current							Less than specified Value					
		Capacitance Change							Within ±20% off initial Value					
		TanQ							Less than 200% of specified value					
		Test method							Polarity reverse each 250 hours					
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	50HZ	120Hz	1kHz	10kHz≤		
~ 47		0,75	1,00	1,55	2,00		
68 ~ 680		0,80	1,00	1,34	1,50		
1000 ~		0,85	1,00	1,13	1,15		

Technical Details

Range (µF)	6,8	ØD(mm)	5,0
Voltage	25	L(mm)	11,0
Impedance (Ω)	.-	F(mm)	2,0
Ripple Current (mA)	26	Ød(mm)	0,5
ESR (Ω) max.at 20°C 10KHz	.-	α(mm)	1,5
Lifetime (hrs)	1000	.-	.-
Operating- Temperature Range (°C)	-40°C ~ +105°C	.-	.-



ØD	5	6,3	8	10	12,5	16	18	22	25
F	2,0	2,5	3,5	5,0	5,0	7,5	7,5	10,0	12,5
Ød	0,5			0,6		0,8			
α	1,5			2					

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	28.01.2025
APPD:	Jimmy			FINISH	Josy	Sheet	1 from 2



THT, Radial E-Cap., Non-polarized, Wide operating temperature Range, Designed for use in circuits with reversing polarity, Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Ordering Informations:

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

I14134-2506R80511	M	R	BU
-------------------	---	---	----

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



DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	28.01.2025
APPD:	Jimmy			FINISH	Josy	Sheet	2 from 2