



THT, Radial E-Cap., Snap-In, Long Life, Best for Switching power supplies, Load Life 3000 hours at 105°C, ROHS Conform, Packing Box

Items		Performance Characteristics									
Operating temperature range		-40°C +105°C (10V ~ 250V); -25°C ~ +105°C (350V ~ 500V)									
Leakage current max.											
		I = 3√CV μA (after 5 minutes)									
Capacitance tolerance		±20% at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)											
		WV	10	16	25	35	50	63	80, 100	160~400	450~500
		TanQ	0,55	0,50	0,40	0,35	0,30	0,25	0,20	0,15	0,20
Load life (after application of the rated voltage for 3000hrs at 105°C)	Leckage Current							Less than specified Value			
	Capacitance Change							Within ±20% off initial Value			
	TanQ							Less than 200% of specified value			
Shelf life (at 105°C)	Leckage Current							Less than specified Value			
	Capacitance Change							Within ±20% off initial Value			
	TanQ							Less than 200% of specified value			

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV	Frequency	50HZ	120Hz	300Hz	1kHz		10kHz≤
10 ~ 100		0,85	1,00	1,06	1,15		1,20
160 ~ 250		0,85	1,00	1,20	1,25		1,45
350 ~ 450		0,85	1,00	1,15	1,20		1,40

Technical Details

Range (μF)	6800	ØD(mm)	25,0
Voltage	25	L(mm)	25,0
Impedance (Ω)	-.-	F(mm)	10,0
Ripple Current (mA)	1,9	Ød(mm)	0
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	0
Lifetime (hrs)	3000	-.-	2,0
Operating- Temperature Range (°C)	-40°C ~ +105°C	-.-	-.-

● **DRAWING**

Unit : mm

ØD≤40



PC Board Mounting Holes



Terminal



* Shorter terminal(4.0±0.5) is also available upon request.
Terminal length of height 20mm products is applied shorter terminal to standard terminal type.

ØD=35, 40



PC Board Mounting Holes



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

Copyright by S.Tiede



THT, Radial E-Cap., Snap-In, Long Life, Best for Switching power supplies, Load Life 3000 hours at 105°C, ROHS Conform, Packing Box

Ordering Informations:

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

I14127-2506822525	M	R	BU
-------------------	---	---	----

Serie	Voltage (V)	Range μ H)	D * L (mm)	Tolerance Order Code	R= ROHS N= NON ROHS	BU= Bulk-Ware (Box)

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