THT, Radial E-Cap., Enabled high ripple current by a reduction of impedance at high frequency range, high reliability withstnading to 10000 hours load life 105°C ,Long Lead, ROHS Conform, Packing Bulk-Ware into Polybag

Items	Performance Characteristics
Operating temperature range	.-40°C +105°C
Leakage currrent max.	I = 0,01CV + 3µA whichever is greater (after 2 minutes) I = 0,03CV + 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
TanQ	0,22	0,19	0,16	0,14	0,12	0,10	0,09	0,08

Low temperature characteristics (Impedance ratio at 120Jz)	Z-40°C / Z+20°C	Z-25°C / Z+20°C
	3	2

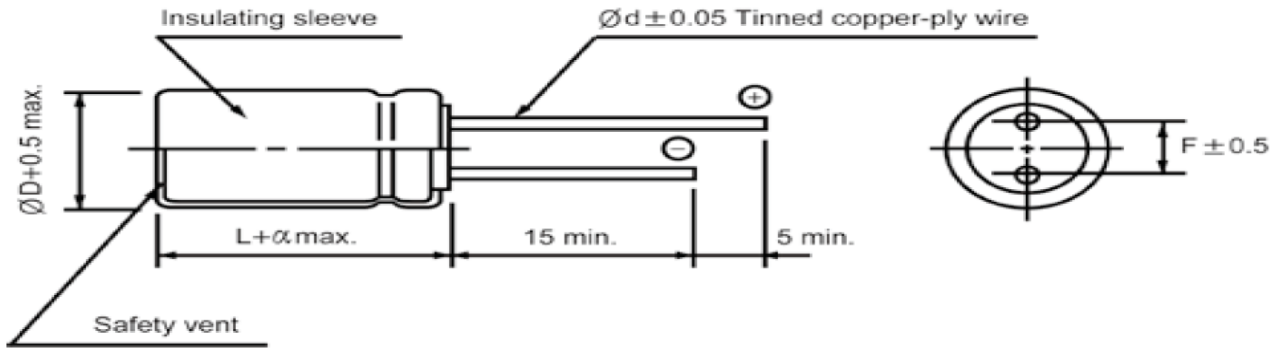
Load life (after application of the rated voltage for 10000hrs at 105°C)		
	Leckage Current	Less than specified Value
	Capacitance Change	Within ±25% off initial Value
	TanQ	Less than 200% of specified value
	Ø5 , Ø6,3 : 6000hours; Ø8: 8000hours : Ø10 : 10000hours	
Shelf life (at 105°C)	After 1000 hours no load test, leackage current, capacitance and tanQ are same as load life value.	

FREQUENY COEFFICIENT OF PERMISSIBLE RIPPE CURRENT

µF	Frequency	120Hz	1kHz	10kHz	50kHz	100kHz≦
~33		0,42	0,70	0,90	0,95	1,00
39~270		0,50	0,73	0,92	0,96	1,00
330~680		0,55	0,77	0,94	0,97	1,00
820~1800		0,60	0,80	0,96	0,98	1,00
2200~		0,70	0,50	0,98	0,99	1,00

Technical Details

Range (µF)	1000	ØD(mm)	10,0
Voltage	25	L(mm)	20,0
Impedance (Ω)	0,033	F(mm)	5,0
Ripple Current (mA)	1960	Ød(mm)	0,6
ESR (Ω) max.at 20°C 10KHz	-.-	α(mm)	2
Lifetime (hrs)	10000	-.-	-.-
Operating- Temperature Range (°C)	.-40°C ~ +105°C	-.-	-.-



ØD	5	6,3	8	10	12,5	16	18
F	2	2,5	3,5	5,0	5,0	7,5	7,5
Ød	0,5			0,6		0,8	
α	1,5			2.0			

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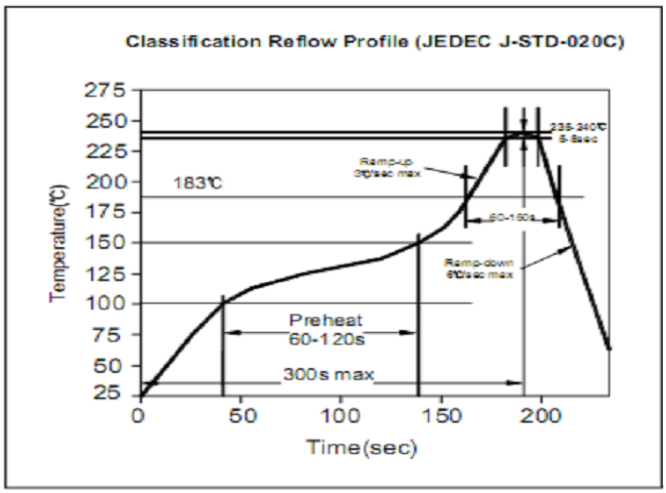
Ordering Informations:

Serie-No. / Voltage / Range / Size	Capacity Tolerance	ROHS	Packing
I14059-2501021020	M	R	BU

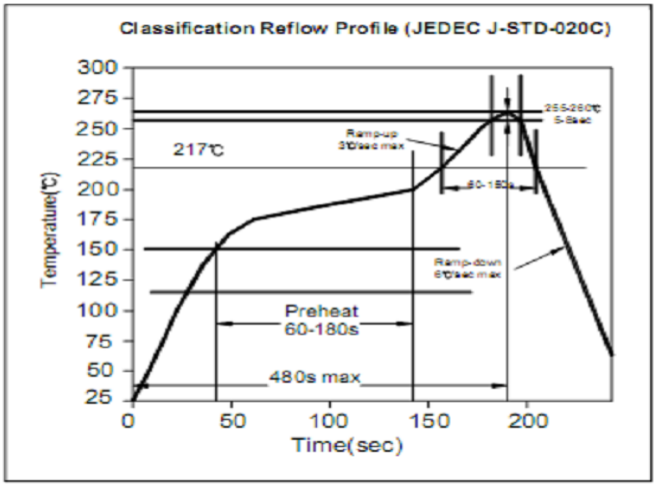
Serie	Voltage (V)	Range µH)	D * L (mm)	Tolerance Order Code	**R**= ROHS	**BU**= Bulk-Ware Long Lead
					N= NON ROHS	**T/B**= Tape/Box
						L3= Lead-Length 3~3,5mm

Soldering Information

Lead Solder Performance



Lead free Solder Performenace



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