



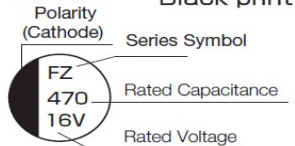
Technical-Description

Low Impedance Long Life 3000/5000Hrs

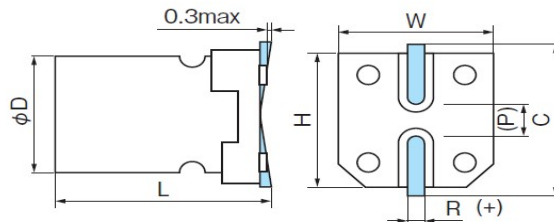
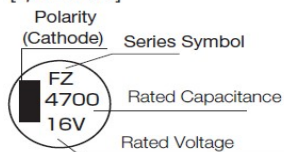
Items		Condition	Specifications								
Rated Voltage (V)		--	6,3	10	16	25	35	50	63	80	100
Surge Voltage (V)		Room temperature	8	13	20	32	44	63	79	100	125
Category temperature Range (°C)		--	-55 to +105°C								
Capacitance tolerance (%)		120Hz/20°C	M: +/- 20%								
Dissipation Factor (tan)	tan (max) 120Hz / 20°C	Ø4 to Ø6,3	0,26	0,2	0,18	0,16	0,14	0,12	0,12	0,12	0,12
		Ø8 to Ø18	0,28	0,22	0,2	0,18	0,16	0,14	0,12	0,12	0,12
Leakage Current (LC)		µA/after 2minutes (max.)	Exceeding 1000µF, +0,02 every 1000µF								
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-40°C Z/Z20°C	3	3	3	3	3	3	2	2	2
		-55°C Z/Z20°C	4	4	4	3	3	3	3	3	3
Endurance	105°C rated voltage applied (with the rated ripple current)	Test	Ø4 to Ø6,3, Ø10x7,7 and Ø8x6,5: 3000hours, Ø8toØ18: 5000hours								
		ΔC/C	Within +/- 30% of the initial value								
		tan	Less than 300% of the specified value								
		LC	Less than the specified value								
Ripple Current Frequency Coefficient											
Frequency: F (Hz)			100≤F<1K		1k≤F<10K		10k≤F<100K		100k≤F		
Capacitance: C (µF)			C≤33		0,35		0,70		0,90		1,00
			33<C≤150		0,40		0,85		0,92		1,00
			150<C		0,60		0,85		0,95		1,00
Range (µF)	27									D(mm) 4,0	
Voltage (V)	6,3									L(mm) 5,8	
Impedance (Ω)	1,45									W(mm) 4,3	
Ripple Current (mA)	90									H(mm) 4,3	
Lifetime (hrs)	3000									C(mm) 5,1	
Operating- Temperature Range (°C)	-55°C ~ +105°C										R(mm) 0,5~0,8
										P (mm) 1,0	

[φD≤10]

Black print on the case top



[φD≥12.5]



A pressure relief vent is provided for φD=8 or bigger

(P)reference size

Dimensions (mm)						
D±0,5	L	W±0,2	H±0,2	C±0,2	R	P±0,2
4	5,8±0,5	4,3	4,3	5,1	0,5 to 0,8	1,0
5	5,8±0,5	5,3	5,3	6,1	0,5 to 0,8	1,3
6,3	5,8±0,5	6,6	6,6	7,3	0,5 to 0,8	2,2
6,3	7,7±0,5	6,6	6,6	7,3	0,5 to 0,8	2,2
8	6,5±0,5	8,3	8,3	9,2	0,7 to 1,2	3,1
8	10,5±0,5	8,3	8,3	9,2	0,7 to 1,2	3,1
10	7,7±0,5	10,3	10,3	11,2	0,7 to 1,2	4,4
10	10,5±0,5	10,3	10,3	11,2	0,7 to 1,2	4,4
10	13,5±0,5	10,3	10,3	11,2	0,7 to 1,2	4,4
12,5	13,5±0,5	13,0	13,0	14,0	1,0 to 1,4	4,4
12,5	16,0±0,5	13,0	13,0	14,0	1,0 to 1,4	4,4
16	16,5±0,5	17,0	17,0	18,0	1,0 to 1,4	6,4

DRW:	Lexua	CHKD	Wilson	MATL:	ChuChu	DATE	19.08.2024
APPD:	Jimmy			FINISH	Josy	Sheet (OK)	1 from 2

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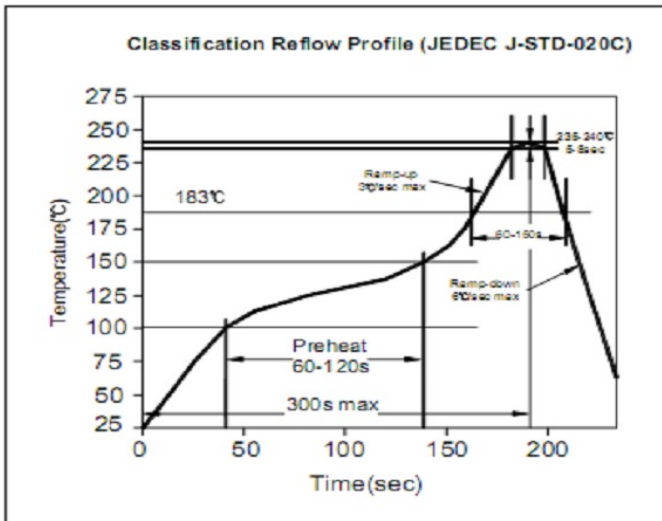
Ordering Informations:

Serie-No. - Voltage - Range	Capacity Tolerance	ROHS	Packing	Quantity of Reel
I15024-6V3-276	M	R	T/R	2000

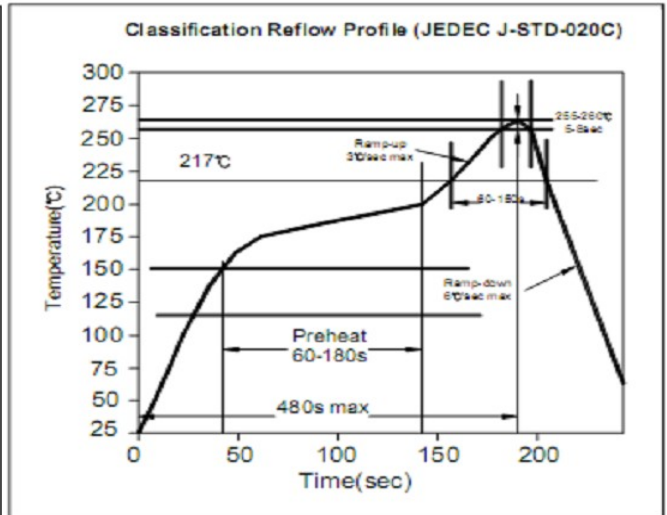
Serie	Voltage (V)	Range μ H)	Tolerance Order Code	R= ROHS N= NON ROHS	T/R= Tape/Reel BU= Bulk

Soldering Information

Lead Solder Performance



Lead free Solder Performance



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