

ENGLISH

Datasheet Aluminium Electrolytic Capacitor

RS Stock number 706-0481

JACAGO	
33 uF25	

Specifications:

Item	Performance Characteristics									
Operating Temperature Range	-40 to +105°C									
Rated Voltage Range	4 to 50 VDC									
Capacitance Tolerance	<u>+</u> 20% (120Hz, +20°C)									
Capacitance Range	0.1 to 220 μF									
Leakage Current (+20°C max.)	$I < 0.01$ CV or 3 (μA) After 2 minutes whichever is greater measured with rated working voltage applied.									
Dissipation Factor	Working Voltage (VDC)	4	6.3	10	16	25	35	50		
	D.F. (%) max.	35	28	24	20	16	14	12		
	(+20°C at 120Hz)									
Low Temperature	Impedance ratio max.									
Characteristics (at 120Hz)	Working Voltage (VDC)	4	6.3	10	16	25	35	50		
	Z (-25°C)/Z (+20°C)	7	4	3	2	2	2	2		
	Z (-40°C)/Z(+20°C)	15	8	6	4	4	4	4		
Load Life	Test Conditions: Duration time: 1000Hrs Ambient temperature: +105°C Applied voltage: Rated DC working voltage After test requirements : ≤ 30% of the initial measured value Dissipation Factor: ≤ 200% of the initial specified value Leakage Current: ≤ the initial specified value									
Shelf Life	Test Conditions: Duration time: 1000Hrs Ambient temperature: +105°C Applied voltage: None After test requirements at +20°C: Same limits as load life Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes									

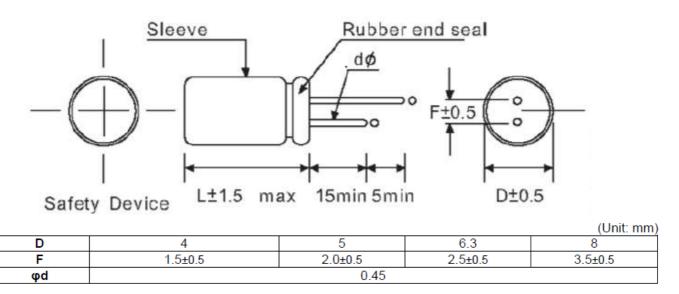


ENGLISH

Features:

- 5.0 +1mm max. height
- Load life 105°C, 1000hours assured

Diagram of Dimensions:



Ripple Current & Temperature

Temperature(°c,	45	65	85	105
Multiplier	2.0	1.6	1.25	1.0

Ripple Current & Frequency Multiplier

Cap.(µF)	Freq.(Hz)	50(60)	120	1K	10K
Multiplier	0.1~47	0.8	1.0	1.30	1.5
	56UP	0.8	1.0	1.15	1.20

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



Case Size

Ø D x L (mm)

ENGLISH

W.V. (S.V.) uF		4 5}		.3 8}		0 3}		6 0}		5 2}		5 4}		i0 i3}
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1													3x5 4x5	1.0 1.0
0.22													3x5 4x5	2.0 2.0
0.33													3x5 4x5	2.8 2.8
0.47													3x5 4x5	3.8 4.0
1													3x5 4x5	6.2 8.0
2.2													3x5 4x5	8.0 10
3.3										•	3x5	9.0	4x5	17
4.7						•	3x5 4x5	9.0 15	3x5 4x5	10 18	4x5	20	4x5	20
10						•	3x5 4x5	18 20	4x5	25	5x5	29	6x5	30
22						•	4x5	30	5x5	40	6x5	46	6x5	54
33	4x5	26	4x5	30	4x5	35	5x5	40	6x5	50	6x5	60	8x5	68
47	4x5	35	4x5	38	5x5	46	5x5 6x5	50 58	6x5	62	8x5	72	-	-
68	4x5	49	5x5	55	6x5	60	6x5	72	8x5	75	-	-	-	-
100	5x5	58	5x5	60	6x5	76	6x5	86	8x5	92	-	-	-	-
220	6x5	74	6x5	90	6x5	90	8x5	92	-	-	-	-	-	-

Ripple Current(mA,rms)at105 120Hz

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.