

PJV SERIES

NEW

Load Life : 125°C 4000 hours (Hybrid Type), Chip Type

High Capacitance, High Ripple Current
AEC-Q200.

RoHS compliance



SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-55~+125°C		
Rated Voltage Range	25~35Vdc		
Capacitance Tolerance	±20% (20°C, 120Hz)		
Leakage Current(MAX)	The value is shown "STANDARD SIZE" table (After 2 minutes)		
Dissipation Factor(MAX)	The value is shown "STANDARD SIZE" table (20°C, 120Hz)		
Test Condition	Endurance	After applying rated voltage with rated ripple current for 4000 hours at 125°C, the capacitors shall meet the criteria.	
	Biased Humidity	After applying rated voltage for 2000 hours at 85°C and humidity of 85%, the capacitors shall meet the criteria.	
	Criteria	Capacitance Change	Within ±30% of the initial value.
		Dissipation Factor	Not more than 200% of the specified value.
E.S.R		Not more than 200% of the initial specified value.	
Leakage Current		Not more than the initial specified value.	
Low Temperature Stability	$Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 2.0$ (100kHz)		
Impedance Ratio(MAX)	$Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.5$		

DIMENSIONS (mm)

φD	L	A ₁	B ₁	C	W ₁	P
8	10.5	8.3	8.3	2.9	0.8~1.1	3.1
10	10.5	10.3	10.3	3.2	0.8~1.1	4.5

Vibration proof package is also available

MARKING

※ Voltage Code

Rated Voltage (Vdc)	25	35
Rated Voltage code	E	V

MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	120	1k	10k	100k≤
Coefficient	0.05	0.30	0.70	1.00

STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	tanδ (120Hz, 20°C)	Leakage Current (μA/2min)	E.S.R. (mΩmax.)		Rated Ripple Current (mA _{rms} /125°C, 100kHz)
					20°C, 100kHz	-40°C, 10kHz	
25	270	8×10.5	0.14	67.5	25	38	1920
	470	10×10.5	0.14	118	20	30	2800
35	180	8×10.5	0.12	63.0	25	38	1920
	330	10×10.5	0.12	116	20	30	2800

PART NUMBER

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PJV
□□□□□
M
□□□
D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Case Size