

JAC series / Square Ceramic Cased Axials



特徴

- ・ 定格電力 4W ~ 17W
- ・ ファイバークラスコア
- ・ 角型セラミックケース
- ・ 高絶縁抵抗
- ・ 低温度上昇
- ・ 不燃構造
- ・ 高サージ耐性
- ・ 参考規格
- ・ IEC 115-1

Features

- ・ 4W to 17W Power Rating.
- ・ Fiber Glass Core
- ・ Square Ceramic Encased.
- ・ High Insulation Resistance
- ・ Low Surface Temperature.
- ・ Non-Flammable Construction.
- ・ High Surge Version
- ・ Reference Standards
- ・ IEC 115-1

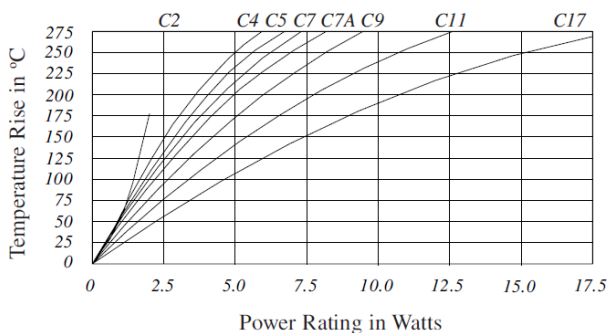
仕様・環境特性 / Electrical Specifications and Environmental Characteristics

Type	Power @ 25°C Watts	Ohmic Range In Ohm		Additional Specifications	
		Min	Max	Tolerance	Values <=10 Ohms ± 10%, >10 Ohms ± 10%, ± 5%
JA C2	2	0R05	3k9	Applicable E-Series	E24(5%), E12(10%)-Other values on request
JA C4	4	0R1	6k8	Derating	From 70 ° C to 350 ° C
JA C5	5	0R33	10k	TCR -Low Values, IEC115.1, 4.8.4.2 & 2.2.20.2	450ppm/ ° C(Max)
JA C7	7	0R47	22k	TCR -Mid Values & High Values	Std : <150ppm/ ° C; On Request : 50ppm/ ° C, 20ppm/ ° C
JA C7A	7	0R33	10k	Temperature Range	-55 ° C to 350 ° C
JA C9	9	0R47	22k	Climatic Category	55 / 200 / 56
JA C11	11	0R82	22k	Solderability	95% Coverage - MIL Std. 202F, Test 208
JA C17	17	1R5	27k	Solvent Resistance	As per IEC115-1, Clause 4.30 (Test XA of IEC-68-2-45)

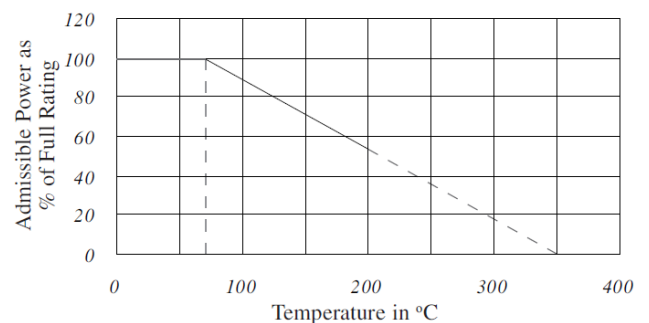
性能 / Performance characteristics

Test Methods	Test Conditions	Test Limits
Insulation Resistance	At 500V DC, IEC115-1, Clauses-4.6, 2.2.19	10000 MOhms
Dielectric Strength	2000Vpeak for 1 min, IEC 115-1, Clause 2.2.17	No Break Down
Terminal Strength	Tensile Test , IEC115-1, Clause 4.16, Test Ua 1 , IEC68-2-21	>50N
Solderability	As per MIL-STD 202F, Test 208, IEC 115, Clause 4.17.3	95% Coverage
Endurance at Rated Temperature	Rated Power @ 70 ° C (1.5hrs ON, 0.5hrs OFF), IEC115-1, Clause 4.25	Δ R < 5% + 0R05
Damp Heat Steady State	90-95% RH @ 40 ° C Ambient Temperature for 56days, IEC115-1, Clause 4.24	Δ R < 5% + 0R05
Resistance to Soldering Heat	10 Seconds Dip in Solder Bath at 260 ° C, IEC115-1, Clause 4.18	Δ R < 1% + 0R05
Climatic Sequence	As per IEC 115.1, Clause 4.23	Δ R < 5% + 0R05

Temperature Rise Graphs

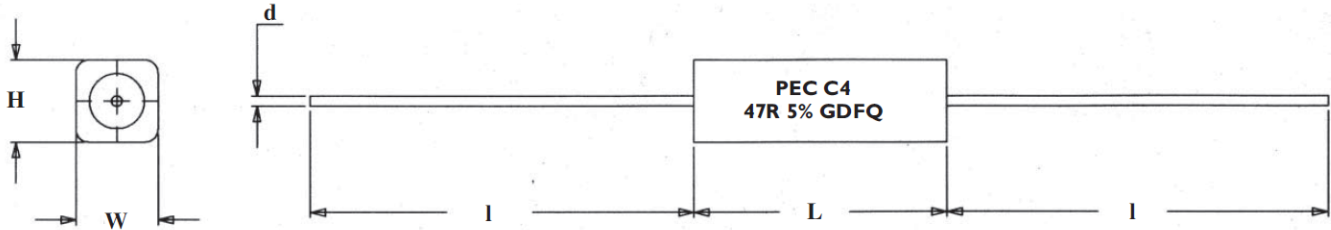


Derating Curve²



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Dimensions



Do not Scale Drawings.
All dimensional tolerances in mm.

In mm

Type	L	W ± 0.5	H ± 0.5	I ± 3.0	d ± 0.05
JA C2	15 ± 1.0	6.4	6.4	36	0.8
JA C4	20 ± 1.0	6.4	6.4	36	0.8
JA C5	25 ± 1.0	6.4	6.4	36	0.8
JA C7	38 ± 1.0	6.4	6.4	36	0.8
JA C7A	25 ± 1.0	9	9	36	0.8
JA C9	38 ± 1.0	9	9	36	0.8
JA C11	50 ± 1.5	9	9	36	0.8
JA C17	75 ± 2.0	9	9	36	0.8

In inches

Type	L	W [± 0.019]	H [± 0.019]	I [± 0.118]	d [± 0.002]
JA C2	0.590 ± 0.039	0.251	0.251	1.417	0.0314
JA C4	0.787 ± 0.039	0.251	0.251	1.417	0.0314
JA C5	0.984 ± 0.039	0.251	0.251	1.417	0.0314
JA C7	1.496 ± 0.039	0.251	0.251	1.417	0.0314
JA C7A	0.984 ± 0.039	0.354	0.354	1.417	0.0314
JA C9	1.496 ± 0.039	0.354	0.354	1.417	0.0314
JA C11	1.968 ± 0.059	0.354	0.354	1.417	0.0314
JA C17	2.952 ± 0.078	0.354	0.354	1.417	0.0314

品番構成 / Ordering Code

Type	Ohmic Value	Tolerance	Packing Style	Release Condition	Standard / Non-Std. Leads	TCR
JAC4	0.1 Ohm : 0R1 / R10 1 Ohm : 1R0 1 KOhm : 1K0 10.7 KOhm : 10K7	5% : J 10% : K	Bulk : B Tape & Reel : T Ammo : A	Commercial : X	Standard : S 38mm : 1.5" / L Others : M	Standard : S Others : M

A Sample Part No.: JAC4 47R JBXSS

* JC2, JC4, JC5 can be supplied in Style B/T/A & All other types can be only supplied in Style B.

注意事項 / Note

- On request we undertake tests for Batch Acceptance to a specified Reference Standard.
- The Derating Curve specifies the maximum allowable Power at a particular ambient temperature while ensuring that the maximum surface temperature remains within the designed limit.
- When the Resistor is subjected to a Pulse Load, please ensure that the *average* Power dissipated remains below the rated Power specified.
- Resistor performance with Pulse Loads will have to be application tested. Please utilise our Pulse Application Questionnaire for selecting a suitable type or for requesting any design-in assistance from us.