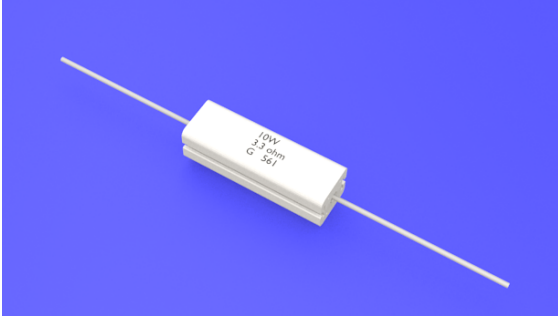


## JGM series / Slotted Ceramic Cased Axials



### 特徴

- ・定格電力 4W ~ 17W
- ・セラミックケース型アキシャルリード
- ・高絶縁抵抗
- ・高サージ耐性
- ・低温度上昇
- ・細溝加工セラミックハウジング
- ・参考規格
- ・IEC 115-1

### Features

- ・4W to 17W Power Rating.
- ・Ceramic Encased. Axial Leaded.
- ・High Insulation Resistance..
- ・High Surge Versions.
- ・Low Surface Temperature..
- ・Slotted Ceramic Housing.
- ・Reference Standards.
- ・IEC 115-1

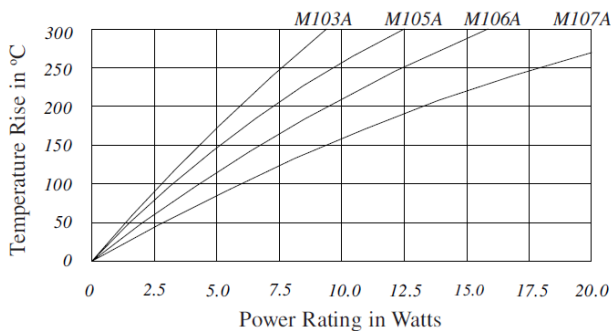
### 仕様・環境特性 / Electrical Specifications and Environmental Characteristics

Type	Power @ 25°C Watts	Ohmic Range In Ohm		Additional Specifications	
		Min	Max	Tolerance	Standard < 10 Ohms ± 10%, >10 Ohms ± 5%, On Request ± 2%
JG M101A	4	0R1	6K8	Applicable E-Series	E24(5%),E12(10%); Other Values on Request
JG M102A	5	0R33	10K	Derating	From 70 ° C to 350 ° C
JG M103A	7	0R47	22K	TCR -Low Values,IEC 115-1,4.8.4.2,2.2.20.2	450ppm/ ° C (Max)
JG M104A	7	0R33	10K	TCR -Mid Values & High Values	Std.: 150, 100ppm/ ° C; On Request: 50, 20ppm/ ° C
JG M105A	9	0R47	22K	Temperature Range	-55 ° C to 350 ° C
JG M106A	11	0R82	22K	Climatic Category	55 / 200 / 56
JG M107A	17	1R5	27K	Solvent Resistance	As per IEC 115.1-Clause 4.30 (Test XA of IEC-68-2-45)

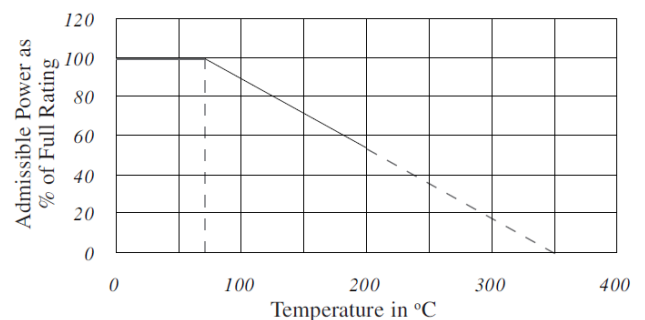
### 性能 / Performance characteristics

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

### Temperature Rise Graphs

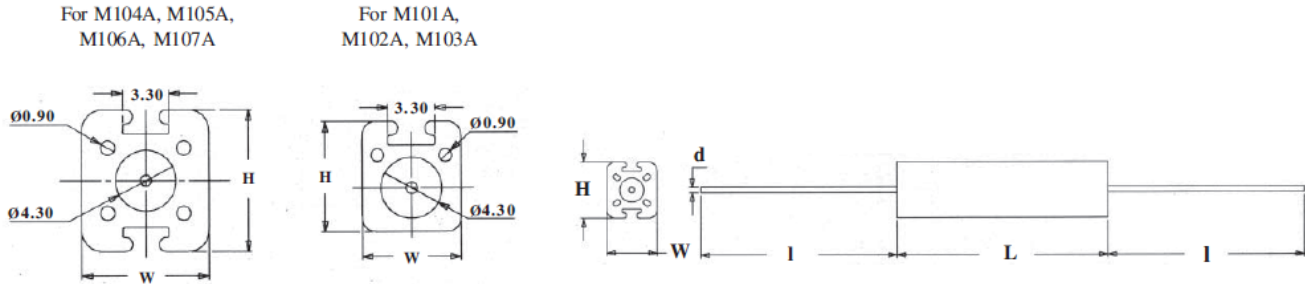


### Derating Curve<sup>2</sup>



## JGM series / Slotted Ceramic Cased Axials

### Dimensions



Do not Scale Drawings. All dimensional tolerances in mm.

In mm

Type	L	W ± 0.5	H ± 0.5	l ± 3.0	d ± 0.05
JG M101A	20.0 ± 1.0	7	8	36	0.8
JG M102A	25.0 ± 1.0	7	8	36	0.8
JG M103A	38.0 ± 1.0	7	8	36	0.8
JG M104A	25.0 ± 1.0	9	10	36	0.8
JG M105A	38.0 ± 1.0	9	10	36	0.8
JG M106A	50.0 ± 1.5	9	10	36	0.8
JG M107A	75.0 ± 2.0	9	10	36	0.8

In inches

Type	L	W ± 0.02	H ± 0.02	l ± 0.118	d ± 0.002
JG M101A	0.787 ± 0.04	0.276	0.315	1.417	0.0314
JG M102A	0.984 ± 0.04	0.276	0.315	1.417	0.0314
JG M103A	1.496 ± 0.04	0.276	0.315	1.417	0.0314
JG M104A	0.984 ± 0.04	0.354	0.394	1.417	0.0314
JG M105A	1.496 ± 0.04	0.354	0.394	1.417	0.0314
JG M106A	1.960 ± 0.06	0.354	0.394	1.417	0.0314
JG M107A	2.950 ± 0.08	0.354	0.394	1.417	0.0314

### 品番構成 / Ordering Code

Type	Ohmic Value	Tolerance	Packing Style	Release Condition	Standard / Non-Std. Leads	TCR
JGM105A	0.1 Ohm : 0R1 / R10 1 Ohm : 1R0 1K Ohm : 1K0 10.7K Ohm : 10K7	2% : G 5% : J 10% : K	Bulk : B	Commercial : X	Standard : S 38mm : 1.5" / L Others : M	Standard : S Others : M

A Sample Part No.: JGM105A 47R JBXSS

### 注意事項 / Note

- 1 On request we undertake tests for Batch Acceptance to a specified Reference Standard.
- 2 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.
- 3 When the Resistor is subjected to a Pulse Load, please ensure that the *average* Power dissipated remains below the rated Power specified.
- 4 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.