

JVB series / Vitreous Enamelled Axial,



特徴

- ・定格電力 3W ~ 12W
- ・溶接構造
- ・不燃性ブラウンエナメルコート
- ・高負荷、パルス用途に対応
- ・自動機の高速度リードFormingに適応
- ・参考規格
 - ・JSS 50402 [RFHT-1 STYLES 2.5 to 12]
 - ・MIL-R-26 [Char V]
 - ・IEC 115-2
 - ・CECC 40201-001

Features

- ・3W to 12W Power Rating.
- ・All Welded Construction.
- ・Non-Flammable Brown Enamel Coating.
- ・High Overload and Pulse Handling Capability.
- ・Suitable for High Speed Lead Forming Machines.
- ・Reference Standards.
 - ・JSS 50402 [RFHT-1 STYLES 2.5 to 12]
 - ・MIL-R-26 [Char V]
 - ・IEC 115-2
 - ・CECC 40201-001

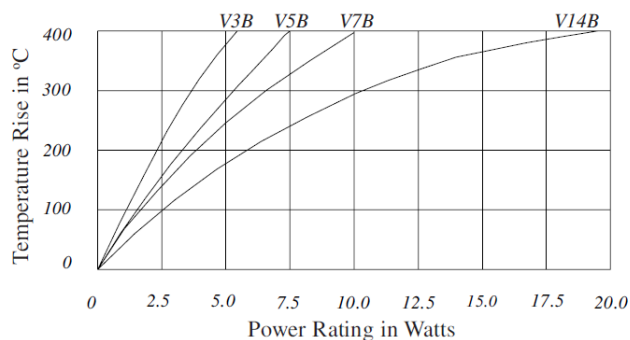
仕様・環境特性 / Electrical Specifications and Environmental Characteristics

| Type | Power | | Voltage Max | Ohmic Range | | Ref. Standards* | | | Specifications | |
|-------|---------|-------|----------------|-------------|------|-----------------|------------|--------|----------------|---|
| | @ 25 °C | @ 70 | | In Ohm | | MIL-R-26 | CECC | JSS | | |
| | Watts | Watts | Volts | Min | Max | | 40201-0001 | RFHT-1 | TCR | Std. < +150 ppm/ ° C, Typ. < +75 ppm/ ° C |
| JV3B | 3 | 2.6 | 100 | 0R1 | 10K | RW69 | RB59 | 2.5 | Derating | From 25 ° C to 350 ° C, Mil Char 'V' |
| JV5B | 5 | 4.3 | 160 | 0R1 | 20K | | RB61 | - | Climatic Cat. | 55 / 200 / 56 |
| JV7B | 7 | 6 | 200 | 0R1 | 22K | RW74 | RB57 | 6 | Ambient | -55 ° C to 200 ° C |
| JV10B | 10 | 9 | 720 | 0R1 | 68K | RW68 | RB58 | | Load Life | Δ R < 5% |
| JV14B | 12 | 10 | 750 | 0R1 | 100K | | - | 12 | Solderability | 95% Coverage - MIL Std. 202F, Test 208 |

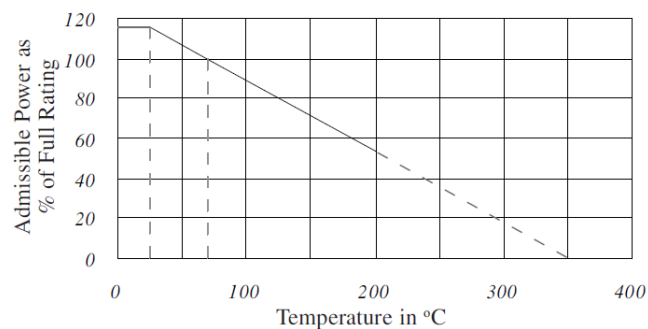
性能 / Performance characteristics

| Test Methods | Test Conditions | Test Limits |
|---------------------------------------|--|-----------------|
| Short Term Overload | 10 × Rated Power for 5 seconds | D R < 1% + 0R05 |
| Endurance at Room Temperature | Rated Power @ 25 ° C (1.5 hrs ON, 0.5 hrs OFF) | D R < 5% + 0R05 |
| Thermal Shock (Rapid Change of Temp.) | 5 Cycles, -55 ° C to 200 ° C | D R < 1% + 0R05 |
| Robustness of Terminations | As per Clause C1-4.14 of BS-CECC 40201-002 | D R < 1% + 0R05 |
| Resistance to Soldering Heat | 10 Seconds dip in Solder Bath at 260 ° C | D R < 1% + 0R05 |
| Vibration | Freq: 10-500Hz, Amplitude: 0.75mm/10g, Accln.: 6hrs in each Axis | D R < 1% + 0R05 |
| Bump Test | 4000 Bumps at 40g Acceleration (Accln.) | D R < 1% + 0R05 |
| Long Term Damp Heat | 90% - 95% RH @ 40 ° C Ambient Temperature for 56 days | D R < 5% + 0R05 |
| Climatic Sequence | As per Clause C1 - 4.20.8 of BS-CECC 40201-002 | D R < 5% + 0R05 |
| Temperature Rise | Max. Surface Temp. Rise @ Rated Power and @ 25 ° C ambient | T < 350 ° C |

Temperature Rise Graphs

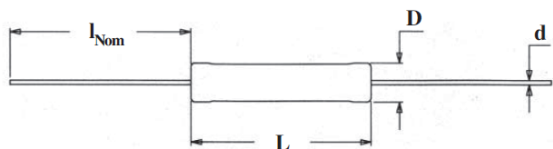


Derating Curve²



JVB series / Vitreous Enamelled Axial,

Dimensions

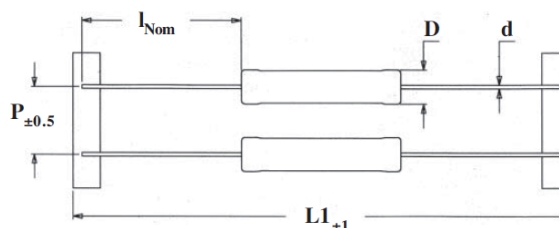


1. Resistance values are as measured between points at a distance of 10mm from the ends of the Resistor's body.
2. The min. bend radius recommended for the lead at either end is 1mm. It is preferable to bend it at a distance of 2mm or more from the end of the body.

In mm

| Type | L Max | D Max | l Nom | d ± 0.5 | P | L1 |
|-------|----------|----------|----------|------------|----|----|
| JV3B | 12.7 | 5.6 | 38.1 | 0.813 | 10 | 88 |
| JV5B | 23.8 | 7.0 | 38.1 | 0.813 | 10 | 98 |
| JV7B | 23.8 | 8.7 | 38.1 | 0.813 | 10 | 97 |
| JV10B | 46.8 | 10 | 38.1 | 0.813 | NA | NA |
| JV14B | 53.5 | 8 | 38.1 | 0.813 | NA | NA |

Tape and Reel Specifications



Do not Scale Drawings.
All dimensional tolerances in mm.

In inch

| Type | L Max | D Max | l Nom | d ± 0.002 | P | L1 |
|-------|----------|----------|----------|--------------|-------|------|
| JV3B | 0.5 | 0.22 | 1.5 | 0.032 | 0.394 | 2.56 |
| JV5B | 0.937 | 0.276 | 1.5 | 0.032 | 0.394 | 2.95 |
| JV7B | 0.937 | 0.343 | 1.5 | 0.032 | 0.394 | 2.91 |
| JV10B | 1.844 | 0.394 | 1.5 | 0.032 | NA | NA |
| JV14B | 2.106 | 0.315 | 1.5 | 0.032 | NA | NA |

品番構成 / Ordering Code

| Type | Ohmic Value | Tolerance | Packing Style* | Release Condition | Standard / Non-Std. Leads |
|------|--|---------------------------------------|--|--|---|
| JV3B | 0.1 Ohm : 0R1 / R10 1 Ohm : 1R0 1K Ohm : 1K0 10.7K Ohm : 10K7 | 1% : F 2% : G 5% : J 10% : K | Bulk : B Tape & Reel : T Ammo : A Rondo : R | Commercial : X CECC : F JSS : J BS-CECC : B | Standard : S 38mm : 1.5" / L Others : M |

A Sample Part No.: JV3B 1K0 JTXS

* JV3B, JV5B, JV7B can be supplied in Style B/T/A & JV10B, JV14B can be only supplied in Style R.

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.