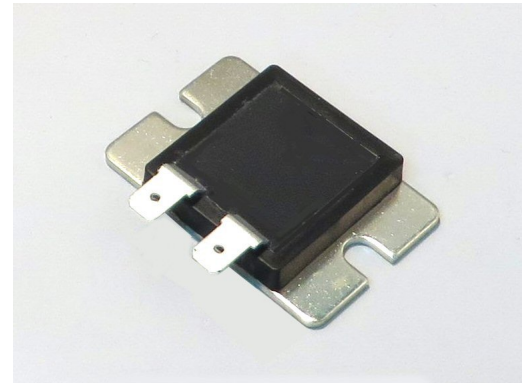


300W, 2kV, 薄型高電力抵抗器
300W

CHASSIS MOUNTING NON-INDUCTIVE
QUICK CONNECT HIGH POWER RESISTORS

RPL320F



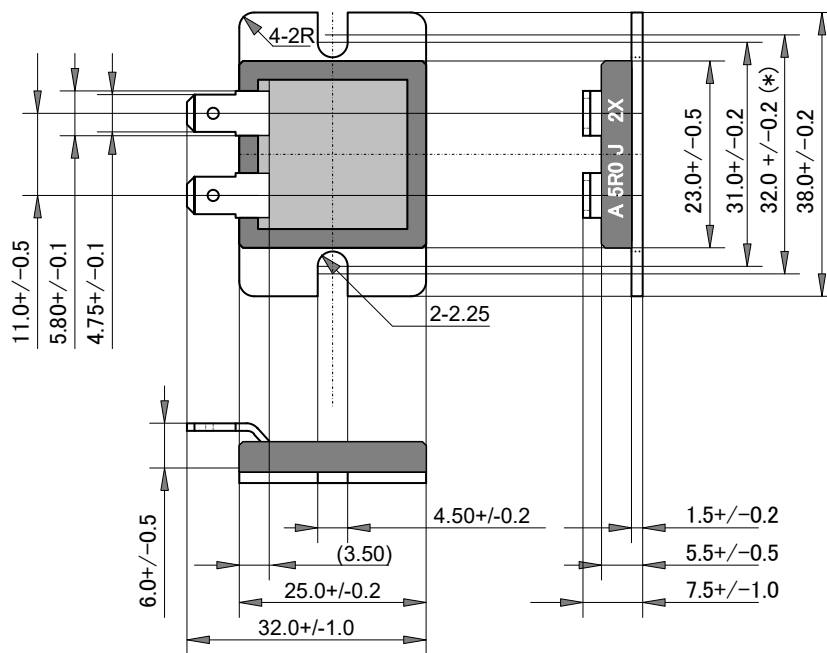
特長・用途

#187 ブレード端子、薄型、2kV 耐圧、放熱シャーシ取付方式の 300W 高電力抵抗器。
小型ですから、直列インダクタンスは少なく、パルス回路、高周波回路に最適。
2 個の M4 ねじにて簡単に取り付けることが可能。
抵抗器の高さは 5.5mm ときわめて低く、端子は、被覆電線。端子の数は、2 個
パワーエレクトロニクス機器の、フィルタ抵抗、スナバ抵抗、サージ抵抗、ゲート抵抗、ブリーダ抵抗、負荷抵抗、ダンピング抵抗など。
注記：RPL310 は、RPL320 に変更いたしました。

Features and Applications

Quick connect, flat type, 300W high power resistor. Attaching an air-cooled heat sink or water-cooling necessary.
Rated power is 300W.
#187 quick connect tab terminals easy to assemble.
Higher density packing, vibration-proof, insulation withstand voltage and perfect heat dissipation possible.
Applications include harmonic filter, snubber resistors, surge protection, breeder resistor, dummy load, gate resistor, dumping resistor for automotive electronics, power supplies, pulse generators, high frequency amplifiers, theater audio equipment, etc.

外形寸法 Dimensions (mm)



RPL320F

300W, 2kV, 薄型高電力抵抗器

RPL320F

CHASSIS MOUNTING NON-INDUCTIVE FLAT TYPE HIGH POWER RESISTORS

品目番号 Ordering Information

| | | | | | |
|---------------|------------|-------------|----------|------------|--------------------|
| 形式 RPL320F | 温度係数 A | 抵抗値 10R0 | 許容差 J | コード Z05 | 摘要 |
| RPL320F | A (100ppm) | 10 ohm | J (5%) | Z05 | RoHS, tray package |
| | | E24+ (*) | | | |

(*)Resistance value is available following modified E24, +E24, when request for optional resistance please call factory.

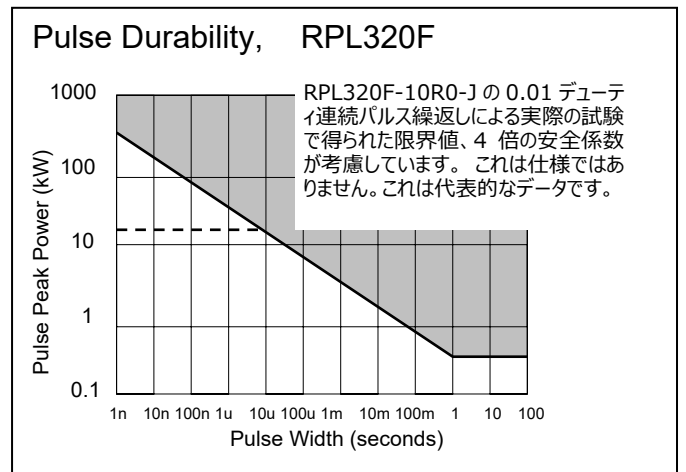
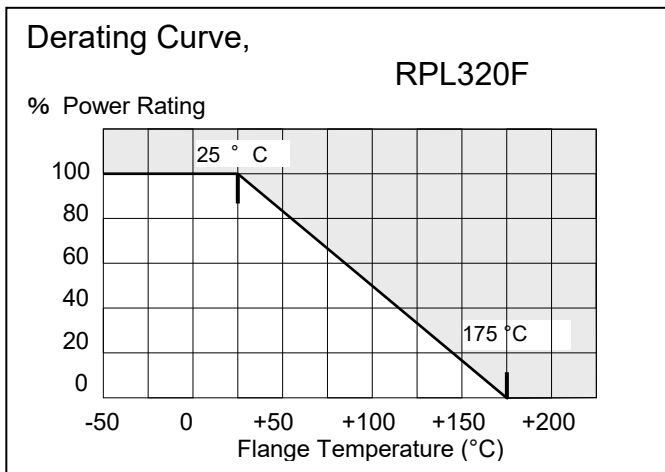
| | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1.0 | 1.1 | 1.2 | 1.3 | 1.5 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.5 | 2.7 | 3.0 | 3.3 |
| 3.6 | 3.9 | 4.0 | 4.3 | 4.7 | 5.0 | 5.1 | 5.6 | 6.2 | 6.8 | 7.5 | 8.0 | 8.2 | 9.1 |

性能仕様 Specifications and Performances

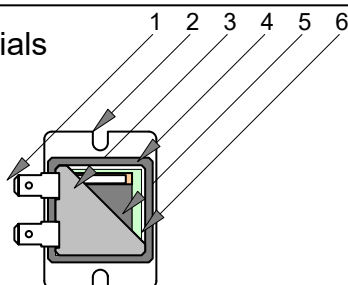
| 項目 | -- | Specifications | Conditions |
|--------|-----------------------|---------------------------------|---|
| 定格電力 | Rating Power | 300 W | At flange temperature -55 to +25 °C |
| 熱抵抗 | Heat Resistance | 0.23 °C/W | From resistor to flange |
| 抵抗値 | Resistance Range | 0.1 Ω to 1MΩ | Lowest 0.1 ohm is available, 0.1ohm – 1Mohm |
| 抵抗値 | Nominal Resistance | E24+ | Modified E24, additionally, 2.0 and 5.0. |
| 温度係数 | TCR | +/-100 ppm/K (A) | For -55 to +155 °C |
| 許容差 | Tolerance | +/-5% (J) | |
| 動作温度範囲 | Operation Temp. | -55 to +155 °C | At flange element surface |
| 最高使用電圧 | Max. Applied Voltage | $E = \sqrt{P \cdot R}$ or 1000V | |
| 絶縁耐電圧 | Withstanding Voltage | 2000 VAC | 60 seconds between terminals and flange. Leak current below 0.5mA |
| 負荷寿命 | Load Life | ΔR+/-1.0 % | Continuous power 1000hours. |
| 耐湿性 | Humidity | ΔR+/-1.0 % | 60 °C, 90 to 95%RH, DC0.1W, 1000hours. |
| 温度サイクル | Temperature Cycle | ΔR+/-1.0 % | -55 °C, 30 min., +155 °C 30min., 5 cycles. |
| 絶縁抵抗 | Insulation Resistance | Over 1000 MΩ | Between terminals and flange. |
| 耐振性 | Vibration | ΔR+/-0.5 % | Note 2 |
| 難燃性 | Flammability | UL94V-0 | For resistor body |
| 重量 | Weight | 24 grams | |
| 保存温度 | Storage Temp. Range | -55°C - +70°C | |

Note 1: Torque: Mounting 1.6Nm max, 1.0Nm recommend.

Note 2: IEC60068-2-6, displacement 0.75mm or acceleration 100m/sec², 10Hz-54Hz sweep, 10 cycles X-Y-Z direction.



Materials



| | | |
|---|-----------|-------------------|
| 1 | Terminals | #187tab terminals |
| 2 | Flange | Ni plated copper |
| 3 | Molding | Epoxy resin |
| 4 | Case | Epoxy resin |
| 5 | Resistor | Thick film |
| 6 | Substrate | Alumina ceramics |

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