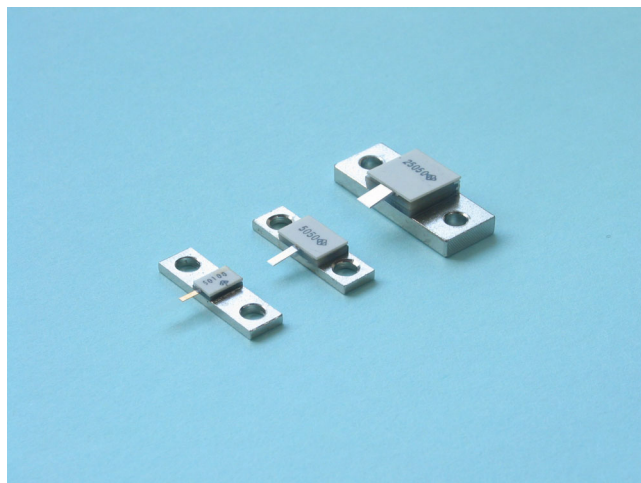


高周波用高電力終端
FLANGED TERMINATIONS

RFTF



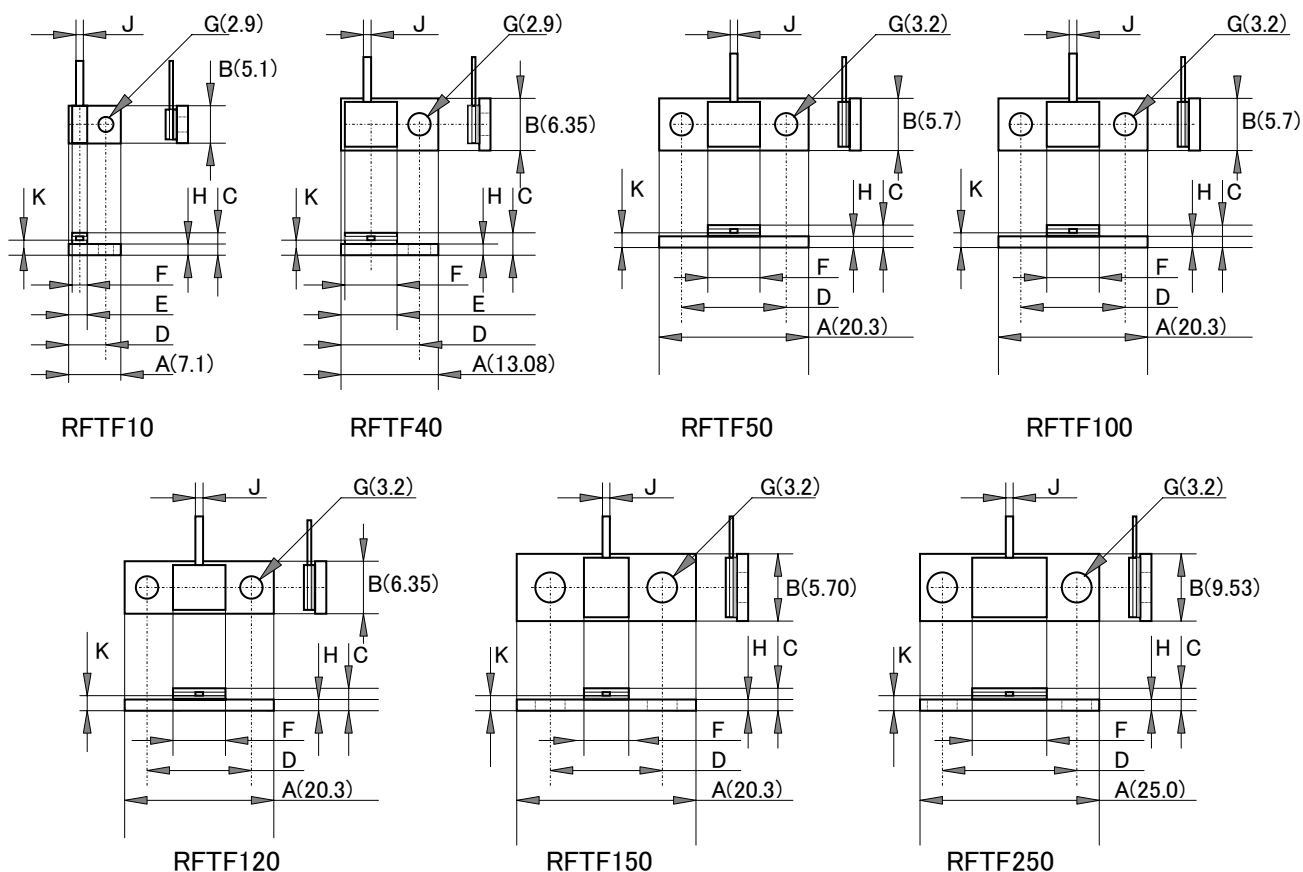
特長 用途

2ビームリード端子, 抵抗値50Ωフランジ付高周波電力用終端, ターミネーションです。超高熱伝導性, 比誘電率約10のセラミックスを絶縁物に使用した高周波終端。10Wから250Wまでをシリーズ化してあります。
高周波領域とマイクロ波領域で性能を発揮します。
高精度NiCr薄膜抵抗ですから, 高周波領域で無誘導的で, 周囲温度による抵抗値の変化がきわめて少なく安定です。
高周波増幅器, 高周波電源, 移動体通信固定局, 無線送信機, 計測機器, 測定器など。

Features and Applications

RF and microwave termination of 50ohm have flange cooling.
Low return loss, long life and temperature stability a result of Ni-Cr thin film and super heat conductive ceramic substrates.
Industrial RF power sources, RF amplifiers, radio transmitters, fixed transmitter of mobile systems, and measurements.

外形寸法 Dimensions (mm)



All lead length: 5.08mm and lead thickness: 0.1mm.

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寸法 Dimensions (mm)

| Type | A | B | C | D | E | F | G | H | J | K |
|---------|------|------|-----|-------|-----|-----|-----|-----|-----|-----|
| RFTF10 | 7.6 | 5.10 | 3.1 | 5.00 | 3.0 | 3.0 | 2.9 | 1.5 | 0.8 | 2.2 |
| RFTF40 | 13.0 | 6.35 | 3.1 | 9.90 | | 6.8 | 2.9 | 1.5 | 0.8 | 2.2 |
| RFTF50 | 20.3 | 5.70 | 3.1 | 14.20 | - | 8.5 | 3.2 | 1.5 | 1.5 | 2.6 |
| RFTF100 | 20.3 | 5.70 | 3.1 | 14.20 | - | 6.3 | 3.2 | 1.5 | 1.5 | 2.6 |
| RFTF120 | 20.3 | 6.35 | 3.1 | 14.20 | - | 8.9 | 3.2 | 1.5 | 0.8 | 2.2 |
| RFTF150 | 20.3 | 5.70 | 3.1 | 14.20 | - | 8.5 | 3.2 | 1.5 | 1.5 | 2.6 |
| RFTF250 | 25.0 | 9.53 | 4.6 | 18.42 | - | 9.6 | 3.2 | 3.0 | 3.0 | 4.1 |

形名称 Ordering Information

| P/N | Type | Rating Power | TCR | Resistance | Tolerance |
|-----------------|------|--------------|--------------|------------|-----------|
| RFTF10C50ohmF | RFTF | 10W | C (50ppm/°C) | 50 ohm | F (+/-1%) |
| RFTF40C100ohmF | RFTF | 50W | C (50ppm/°C) | 100 ohm | F (+/-1%) |
| RFTF50C50ohmF | RFTF | 100W | C (50ppm/°C) | 50 ohm | F (+/-1%) |
| RFTF100C100ohmF | RFTF | 150W | C (50ppm/°C) | 100 ohm | F (+/-1%) |
| RFTF120C100ohmF | RFTF | 50W | C (50ppm/°C) | 100 ohm | F (+/-1%) |
| RFTF150C50ohmF | RFTF | 100W | C (50ppm/°C) | 50 ohm | F (+/-1%) |
| RFTF250C100ohmF | RFTF | 150W | C (50ppm/°C) | 100 ohm | F (+/-1%) |

仕様性能 Specifications and Performances

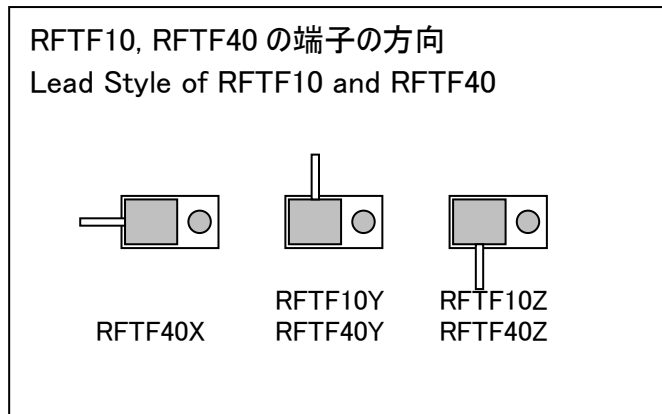
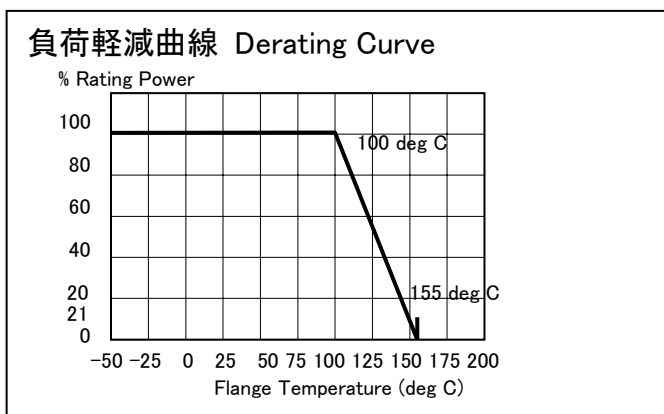
| | Type, Note(2) | RFTF10 | RFTF40 | RFTF50 | RFTF100 | RFTF120 | RFTF150 | RFTF250 |
|-------------|-----------------|--|---------|---------|---------|---------|---------|---------|
| 定格電力 | Rating Power | 10W | 40W | 50W | 100W | 120W | 150W | 250W |
| S11 at 3GHz | Return Loss | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 1.1 |
| 等価直列誘導 | Inductance | | | | | | | |
| 等価並列容量 | Capacitance | < 0.5pF | < 0.5pF | < 1.0pF | < 1.0pF | < 1.0pF | < 1.0pF | < 1.0pF |
| 定格使用温度 | Rating Temp. | 100 deg C | | | | | | |
| 最高使用電圧 | Max. Voltage | $E = \sqrt{P \cdot R}$, where P is rating power, R is resistance | | | | | | |
| 抵抗値 | Resistance | 50ohm, 75ohm, 100ohm, (150ohm, 200ohm, 250ohm, 300ohm), (): available | | | | | | |
| 抵抗温度係数 | TC | +/-50ppm/°C(C) | | | | | | |
| 抵抗値許容差 | Tolerance | +/-1% (F) standard, +/-2% and +/-5% are available. | | | | | | |
| 使用周波数範囲 | Frequency | DC to 3GHz | | | | | | |
| 短時間過負荷 | Short Time OL | 5 times rating power within 5 seconds | | | | | | |
| 使用温度範囲 | Operating Temp. | -55°C to +155°C | | | | | | |
| 保存温度範囲 | Storage Temp. | -55°C to +155°C | | | | | | |

注記(1) その他の抵抗値が必要な場合は営業部宛に連絡ください。

注記(2) 形名 RFC のシリーズは保守品種として、RFRF シリーズを代替品とします。

Note(1) Other resistance will be available, please call factory.

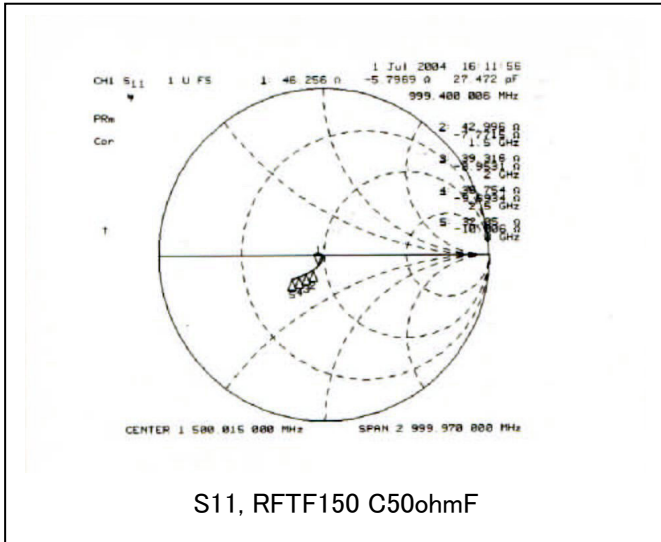
Note(2) Old flange RF resistor, RFC series will be discontinued.



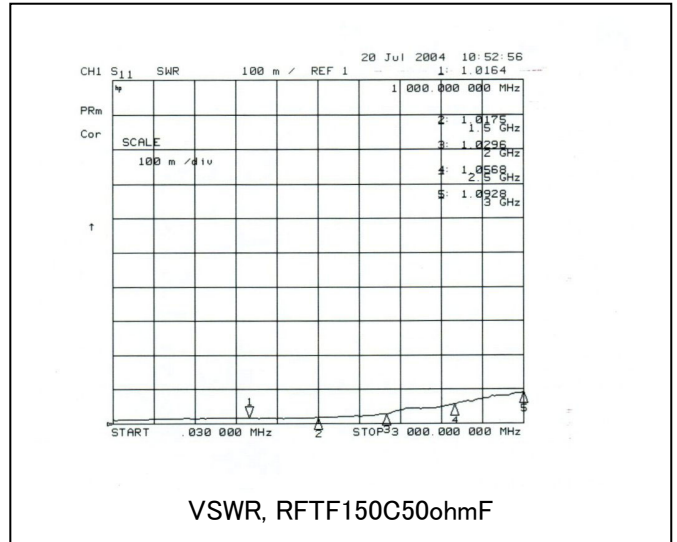
高周波用高電力終端

FLANGED POWER TERMINATIONS

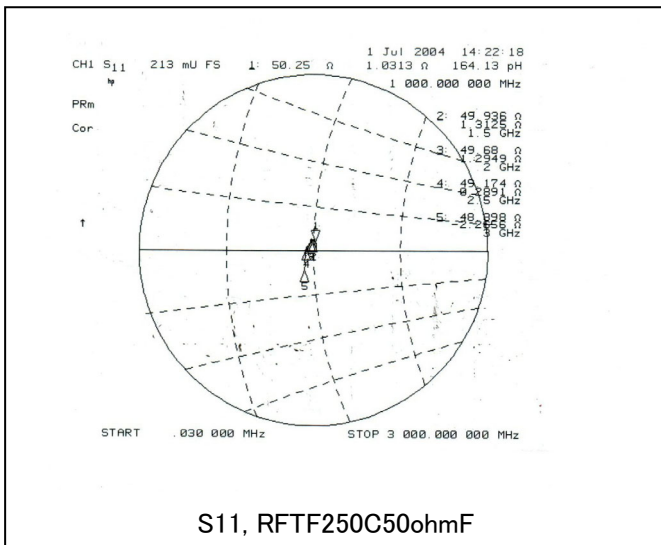
RFTF



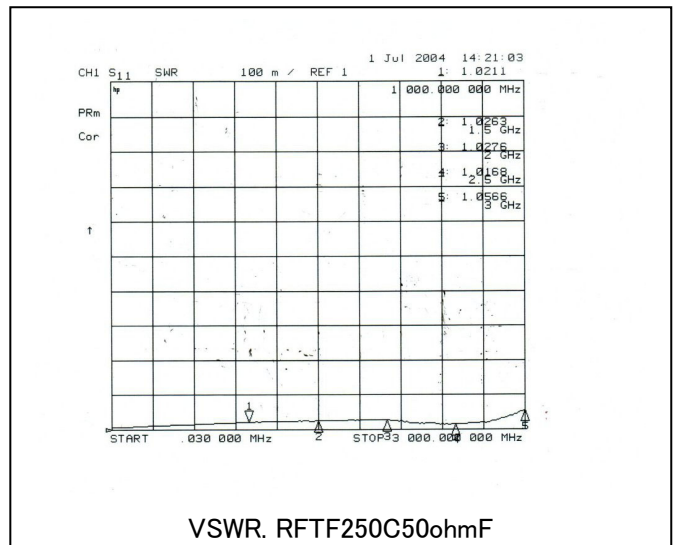
S11, RFTF150 C50ohmF



VSWR, RFTF150C50ohmF



S11, RFTF250C50ohmF



VSWR, RFTF250C50ohmF

