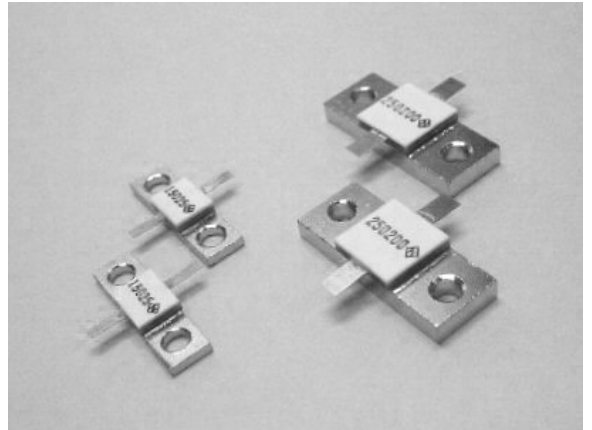


FLANGED POWER RESISTORS

RFRF



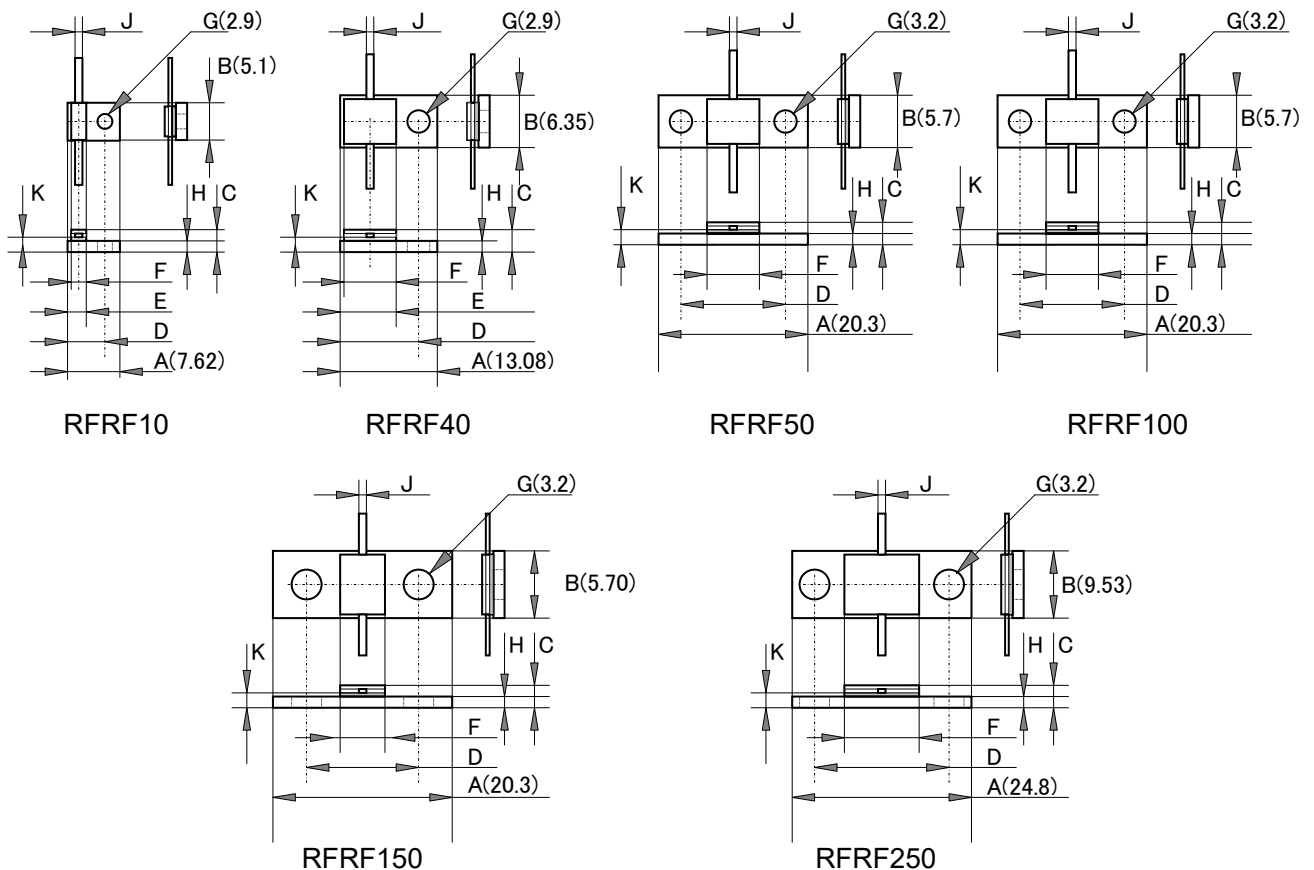
Features and Applications

RF and microwave resistors of 50 to 800ohm have flange cooling, also applicable for terminations in strip-line circuits.

Long life and temperature stability are a result of Ni-Cr thin film and super heat conductive ALN ceramic substrates.

Industrial RF power sources, RF amplifiers, radio transmitters, fixed transmitter of mobile systems, and measurements.

Dimensions (mm)



All lead length: 6.35mm and lead thickness: 0.1mm.

## FLANGED POWER RESISTORS

## RFRF

### Dimensions (mm)

Type	A	B	C	D	E	F	G	H	J	K
RFRF10	7.62	5.10	3.1	5.0	3.0	3.0	2.9	1.5	0.8	2.2
RFRF40*	13.0	6.35	3.1	9.9		6.8	2.9	1.5	0.8	2.2
RFRF50	20.3	5.70	3.1	14.2	-	8.5	3.2	1.5	1.5	2.6
RFRF100	20.3	5.70	3.1	14.2	-	6.3	3.2	1.5	1.5	2.6
RFRF150*	20.3	5.70	3.1	14.2	-	8.5	3.2	1.5	1.5	2.6
RFRF250	25.0	9.53	4.6	18.42	-	9.6	3.2	3.0	3.0	4.1

### Ordering Information

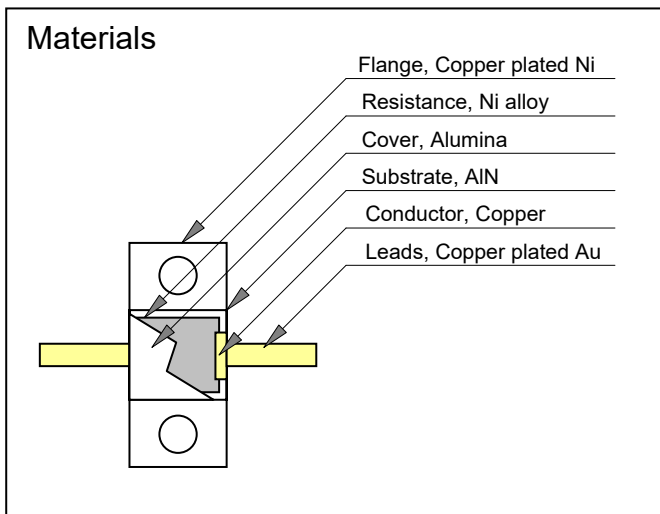
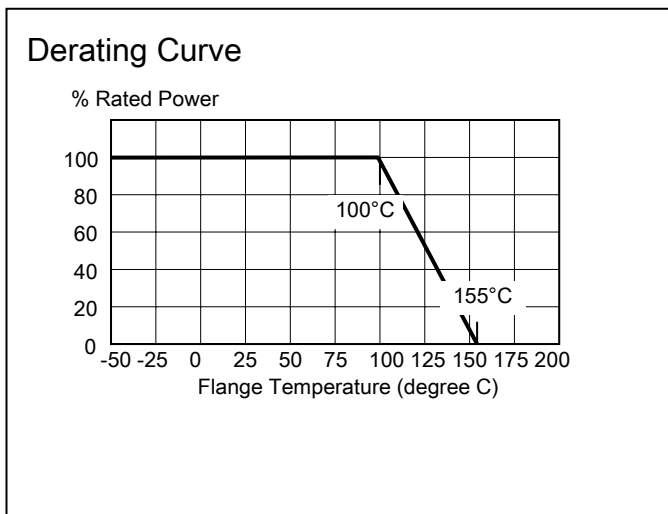
Type	----	TCR	Resistance	Tolerance	RoHS/Package
RFRF50	----	C	201	F	Z05
RFRF10		C	50 Ohm	F	Z05 (tray)
RFRF50		(50ppm)	100 Ohm	(1.0%)	
RFRF80			150 Ohm		
RFRF100			200 Ohm		
RFRF150			250 Ohm		
RFRF250			300 Ohm		
			400 Ohm		
			600 Ohm		
			800 Ohm		

### Specifications and Performances

Type, Note(2)	RFRF10	RFRF40	RFRF50	RFRF100	RFRF150	RFRF250
Rating Power	10W	40W	50W	100W	150W	250W
Return Loss,1GHz	<1.1	<1.2	<1.2	<1.2	<1.2	<1.4
Capacitance	<2.00pF	<2.12pF	<2.12pF	<2.43pF	<5.81pF	<5.81pF
Rating Temp.	-55 ° C to +100 ° C					
Max. Voltage	$E = \sqrt{P \cdot R}$ , where P is rating power, R is resistance					
Resistance	50ohm, 100ohm, 150ohm, 200ohm, 250ohm, 300ohm, 400ohm, 600ohm, 800ohm					
TC	+/-50ppm/K (C)					
Tolerance	+/-1% (F) standard					
Frequency	DC to 3GHz					
Short Time OL	5 times rating power within 5 seconds					
Operating Temp.	-55 ° C to +155 ° C					
Storage Temp.	-55 ° C to +155 ° C					

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

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



FLANGED POWER RESISTORS

RFRF

Thermal and Rf Characteristics (Typical)

