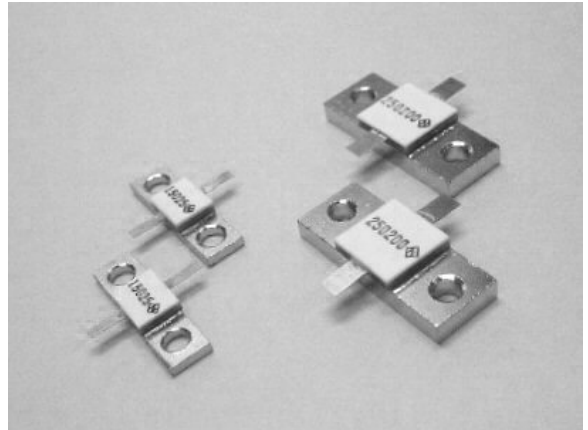


# FLANGED POWER RESISTORS

## RFRF



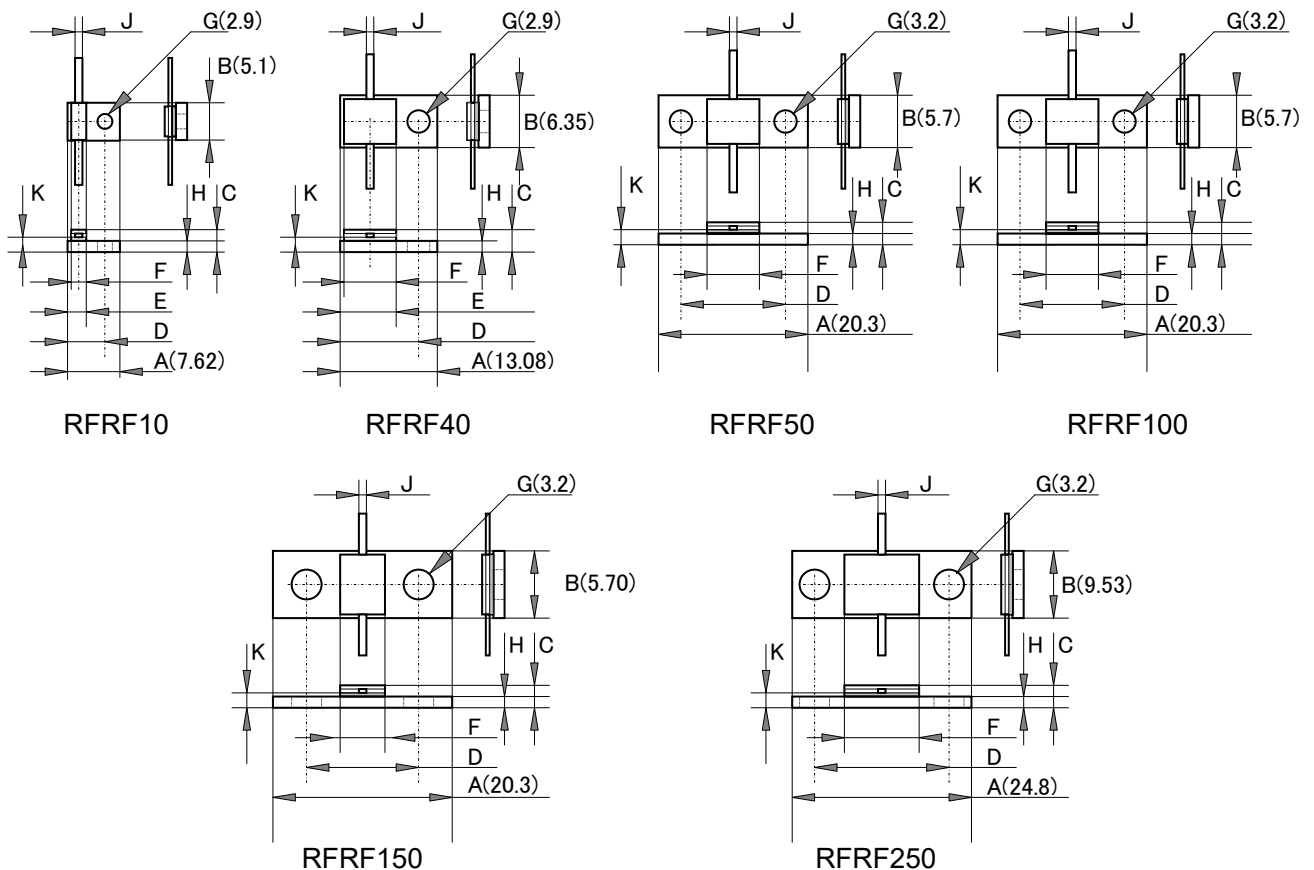
### Features and Applications

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

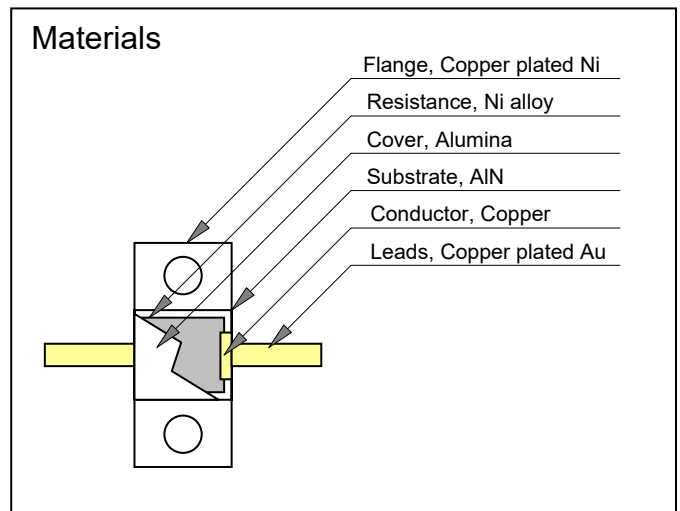
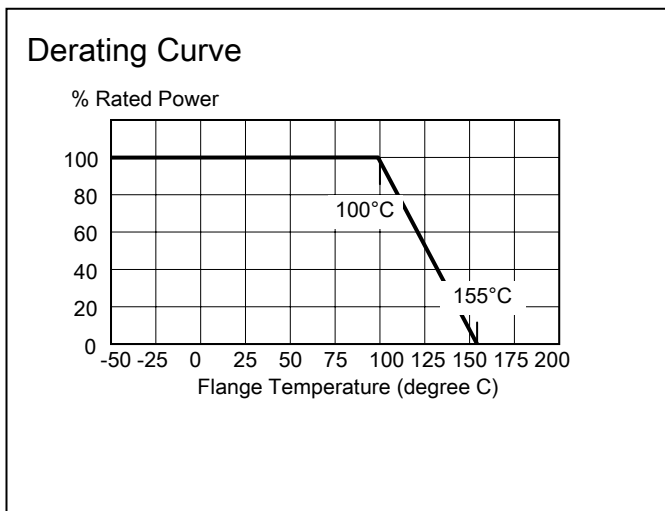
Type	----	TCR	Resistance	Tolerance	RoHS/Package
RFRF50	----	C	201	F	Z05
RFRF10		C	50 Ohm	F	Z05 (tray)
RFRF50		(50ppm)	100 Ohm	(1.0%)	
RFRF80			150 Ohm		
RFRF100			200 Ohm		
RFRF150			250 Ohm		
RFRF250			300 Ohm		
			400 Ohm		
			600 Ohm		
			800 Ohm		

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)

