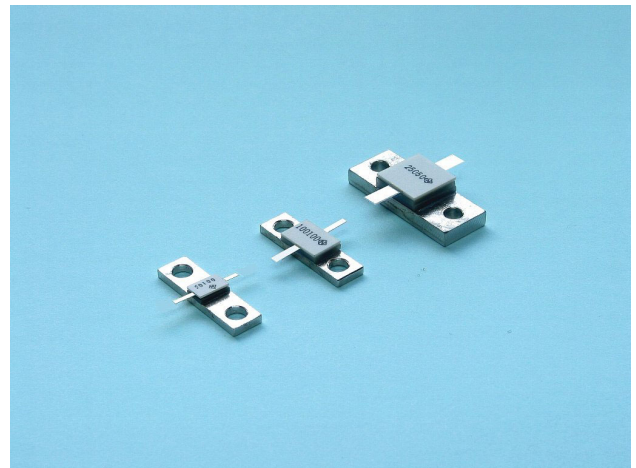


FLANGED POWER RESISTORS

RFRF



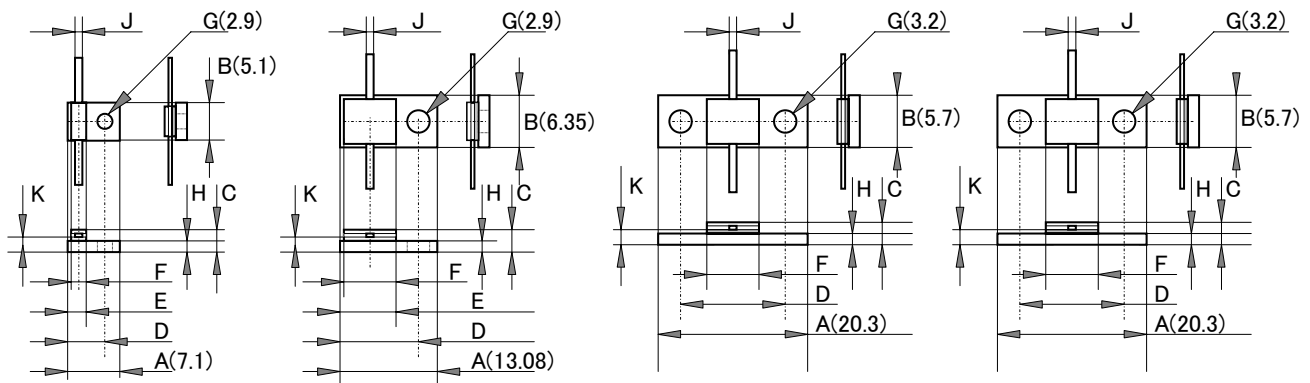
Features and Applications

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 ceramic substrates.

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

Dimensions (mm)

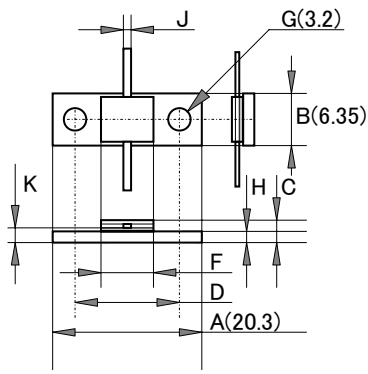


RFRF10

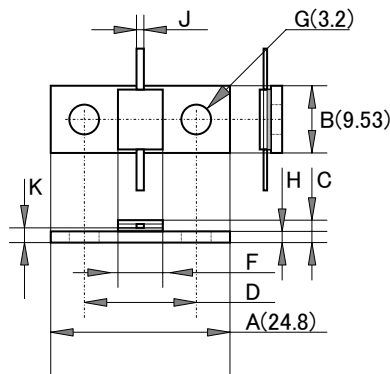
RFRF40

RFRF50

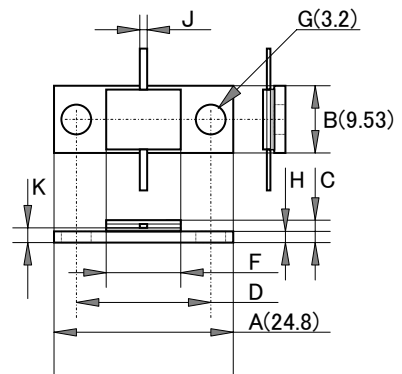
RFRF100



RFRF120



RFRF150



RFRF250

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	7.6	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
RFRF120*	20.3	6.35	3.1	14.2	-	8.9	3.2	1.5	0.8	2.2
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

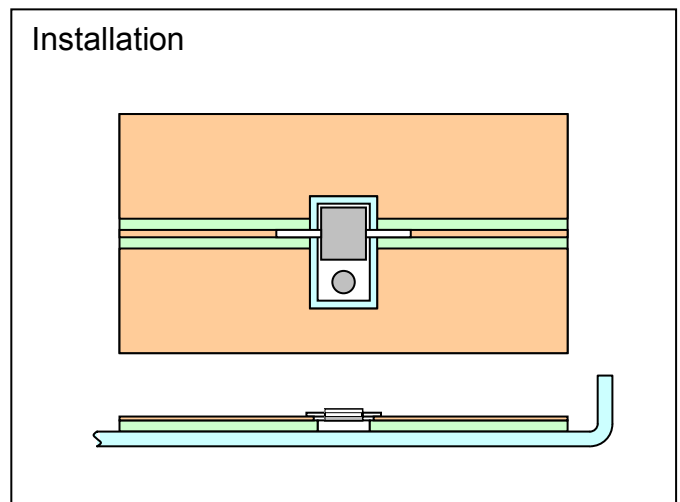
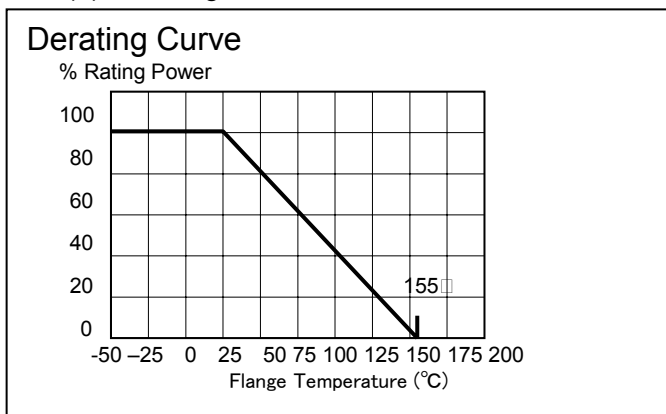
P/N	Type	Rating Power	TCR	Resistance	Tolerance	Package
RFRF10C50ohmF000	RFRF	10W	C (50ppm/K)	50 ohm	F (+/-1%)	000(Tray)
RFRF40C100ohmF000	RFRF	40W	C (50ppm/K)	100 ohm	F (+/-1%)	000(Tray)
RFRF50C50ohmF000	RFRF	50W	C (50ppm/K)	50 ohm	F (+/-1%)	000(Tray)
RFRF100C100ohmF000	RFRF	100W	C (50ppm/K)	100 ohm	F (+/-1%)	000(Tray)
RFRF120C100ohmF000	RFRF	120W	C (50ppm/K)	100 ohm	F (+/-1%)	000(Tray)
RFRF150C50ohmF000	RFRF	150W	C (50ppm/K)	50 ohm	F (+/-1%)	000(Tray)
RFRF250C100ohmF000	RFRF	250W	C (50ppm/K)	100 ohm	F (+/-1%)	000(Tray)

Specifications and Performances

Type, Note(2)	RFRF10	RFRF40	RFRF50	RFRF100	RFRF120	RFRF150	RFRF250
Rating Power	10W	40W	50W	100W	120W	150W	250W
Return Loss	<1.1	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Capacitance	<0.8pF	<0.8pF	<1.0pF	<1.0pF	<1.0pF	<1.0pF	<1.0pF
Rating Temp.	25C						
Max. Voltage	$E = \sqrt{P \cdot R}$, where P is rating power, R is resistance						
Resistance	50ohm, 100ohm, 150ohm, 200ohm						
TC	+/-50ppm/K(C)						
Tolerance	+/-1% (F) standard, +/-2% and +/-5% are available.						
Frequency	DC to 3GHz						
Short Time OL	5 times rating power within 5 seconds						
Operating Temp.	-55C to +155C						
Storage Temp.	-55C to +155C						

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)

