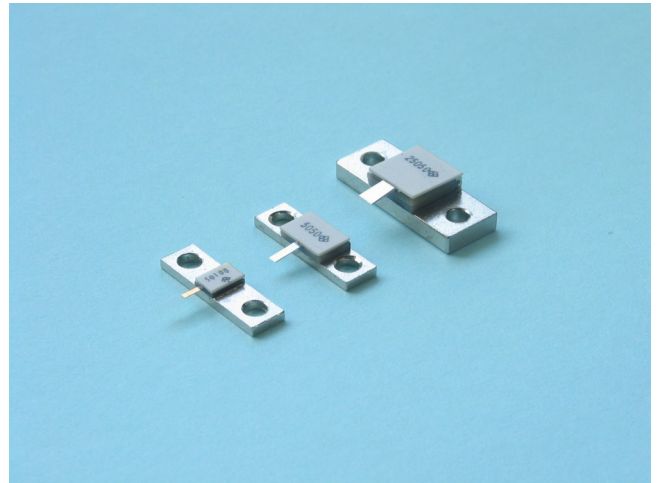


FLANGED TERMINATIONS

RFTF



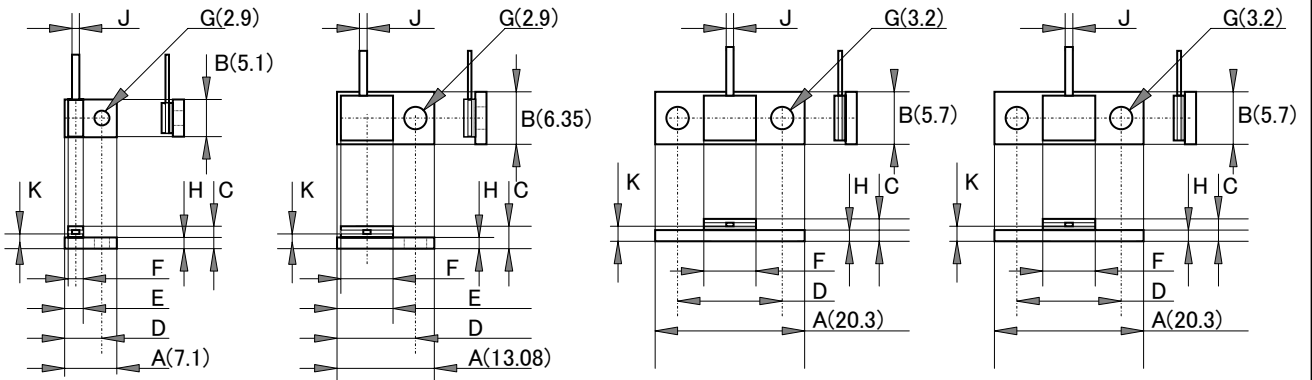
Features and Applications

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.

Dimensions (mm)

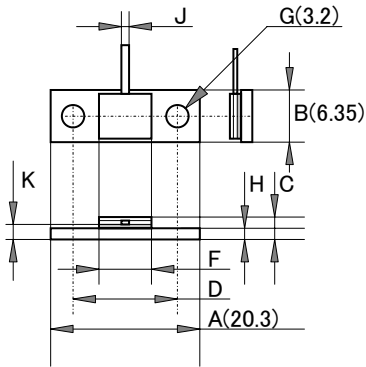


RFTF10(Z)

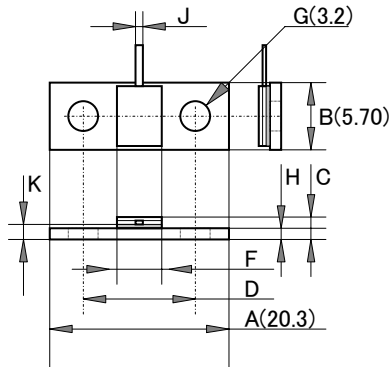
RFTF40(Z)

RFTF50

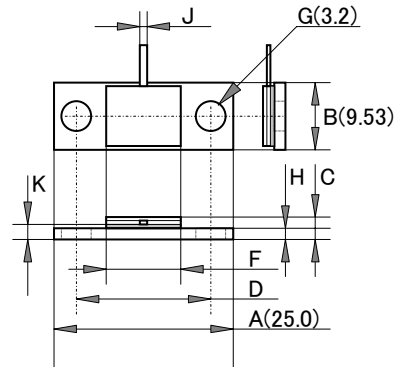
RFTF100



RFTF120



RFTF150



RFTF250

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

FLANGED POWER TERMINATIONS

RFTF

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

Ordering Information

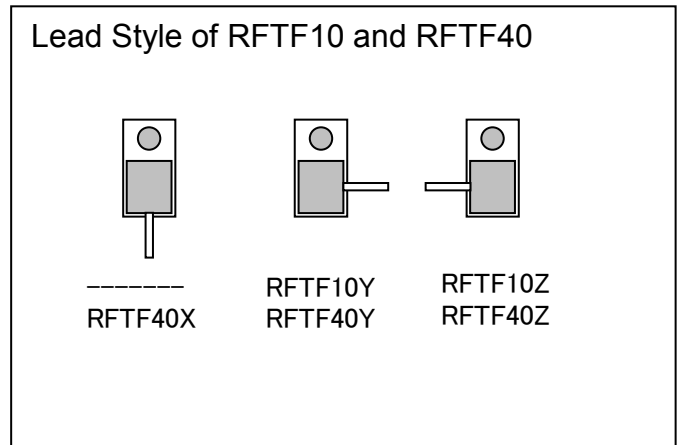
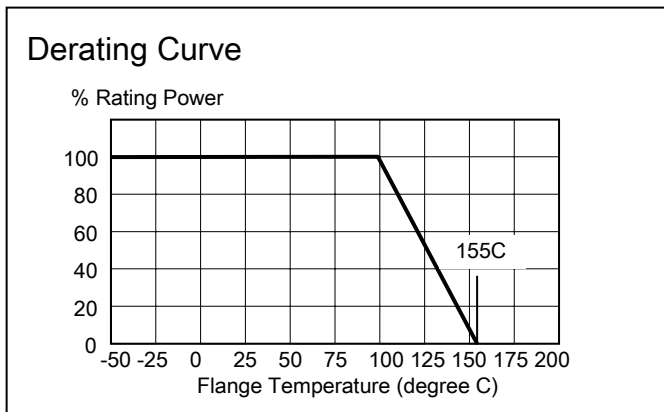
P/N	Type	Rating Power	TCR	Resistance	Tolerance	Code
RFTF10C50ohmFZ000	RFTF	10W	C (50ppm/K)	50 ohm	F (+/-1%)	Z00
RFTF40C100ohmFZ00	RFTF	50W	C (50ppm/K)	75 ohm	F (+/-1%)	Z00
RFTF50C50ohmFZ00	RFTF	100W	C (50ppm/K)	50 ohm	F (+/-1%)	Z00
RFTF100C100ohmFZ000	RFTF	150W	C (50ppm/K)	75 ohm	F (+/-1%)	Z00
RFTF120C100ohmFZ00	RFTF	50W	C (50ppm/K)	75 ohm	F (+/-1%)	Z00
RFTF150C50ohmFZ00	RFTF	100W	C (50ppm/K)	50 ohm	F (+/-1%)	Z00
RFTF250C100ohmFZ00	RFTF	150W	C (50ppm/K)	75 ohm	F (+/-1%)	Z00

Specifications and Performances

Type, Note(2)	RFTF10	RFTF40	RFTF50	RFTF100	RFTF120	RFTF150	RFTF250
Rating Power	10W	40W	50W	100W	120W	150W	250W
Return Loss	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
Inductance							
Capacitance	< 0.5pF	< 0.5pF	< 1.0pF	< 1.0pF	< 1.0pF	< 1.0pF	< 1.0pF
Rating Temp.	-55C to +100C						
Max. Voltage	$E = \sqrt{P \cdot R}$, where P is rating power, R is resistance						
Resistance	50ohm, 75ohm, (150ohm, 200ohm, 250ohm, 300ohm)						
TC	+/-50ppm/K(C)						
Tolerance	+/-1% (F) standard						
Frequency	DC to 3GHz						
Short Time OL	5 times rating power within 5 seconds						
Operating Temp.	-55C to +155C						
Storage Temp.	-55C to +155C						

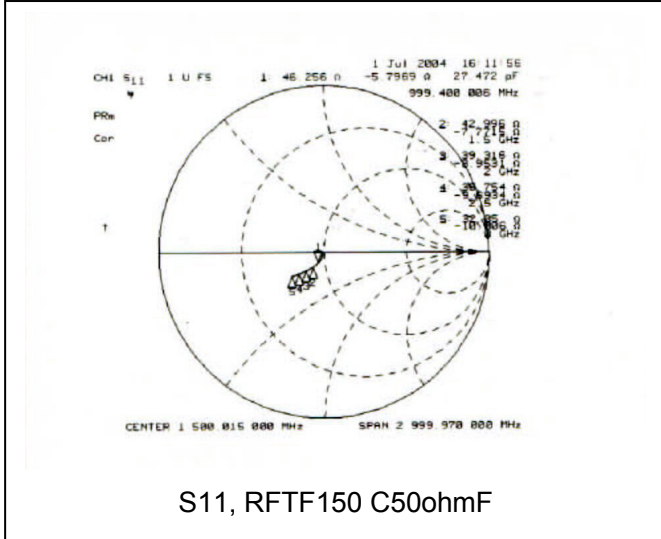
Note(1) Other resistance will be available, please call factory.

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

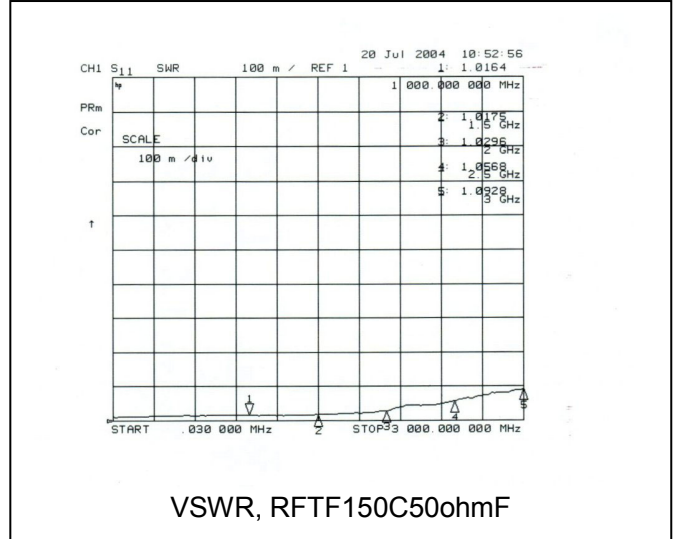


FLANGED POWER TERMINATIONS

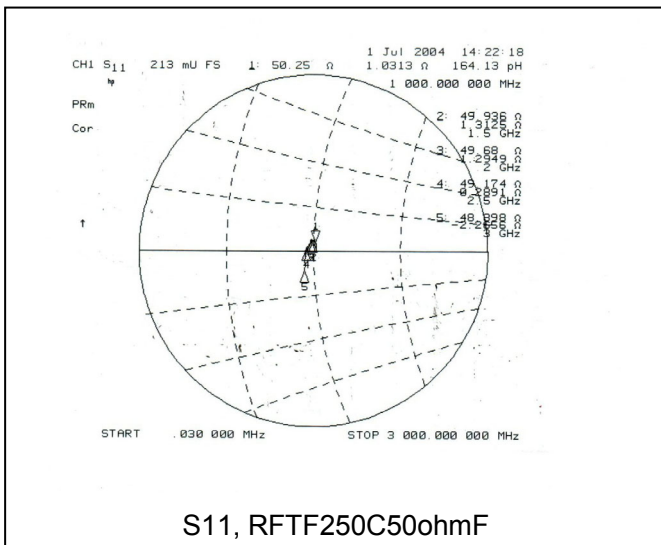
RFTF



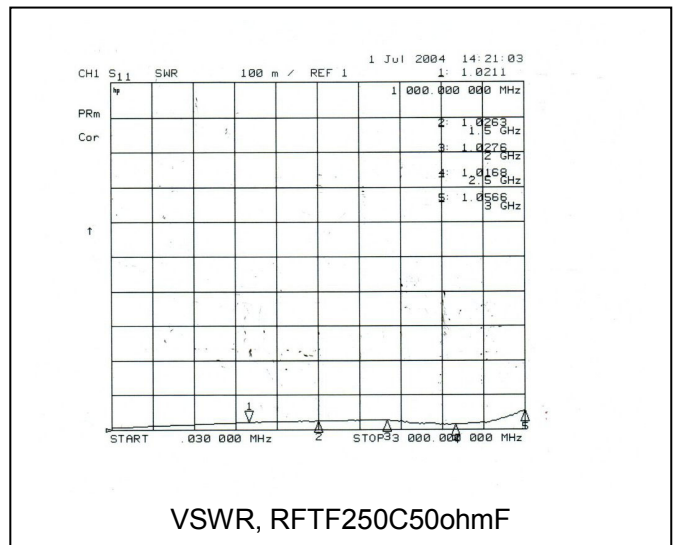
S11, RFTF150 C50ohmF



VSWR, RFTF150C50ohmF



S11, RFTF250C50ohmF



VSWR, RFTF250C50ohmF

