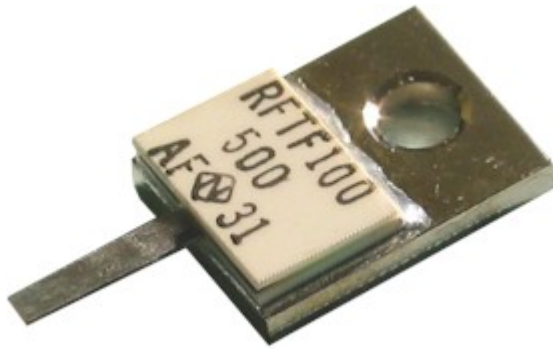


TFTF Flanged Terminations



Features and Applications

These are RF and microwave terminations of 50ohms incorporating flanged cooling. These components exhibit low return loss, long life and temperature stability. These characteristics are the result of Ni-Cr thin film and super heat conductive ceramic substrates. Applications include: Industrial RF power sources, RF amplifiers, radio transmitters, fixed transmitters for mobile systems and measurements.

General Specifications

Model	Power[W]	Resistance[ohms]	Tolerance[%]	TCR
TFTF10	10	50, 75, 150, 200, 250, 300	+-1 +-2 +-5	+-50ppm/C
TFTF40	40			
TFTF50	50			
TFTF100	100			
TFTF120	120			
TFTF150	150			
TFTF250	250			

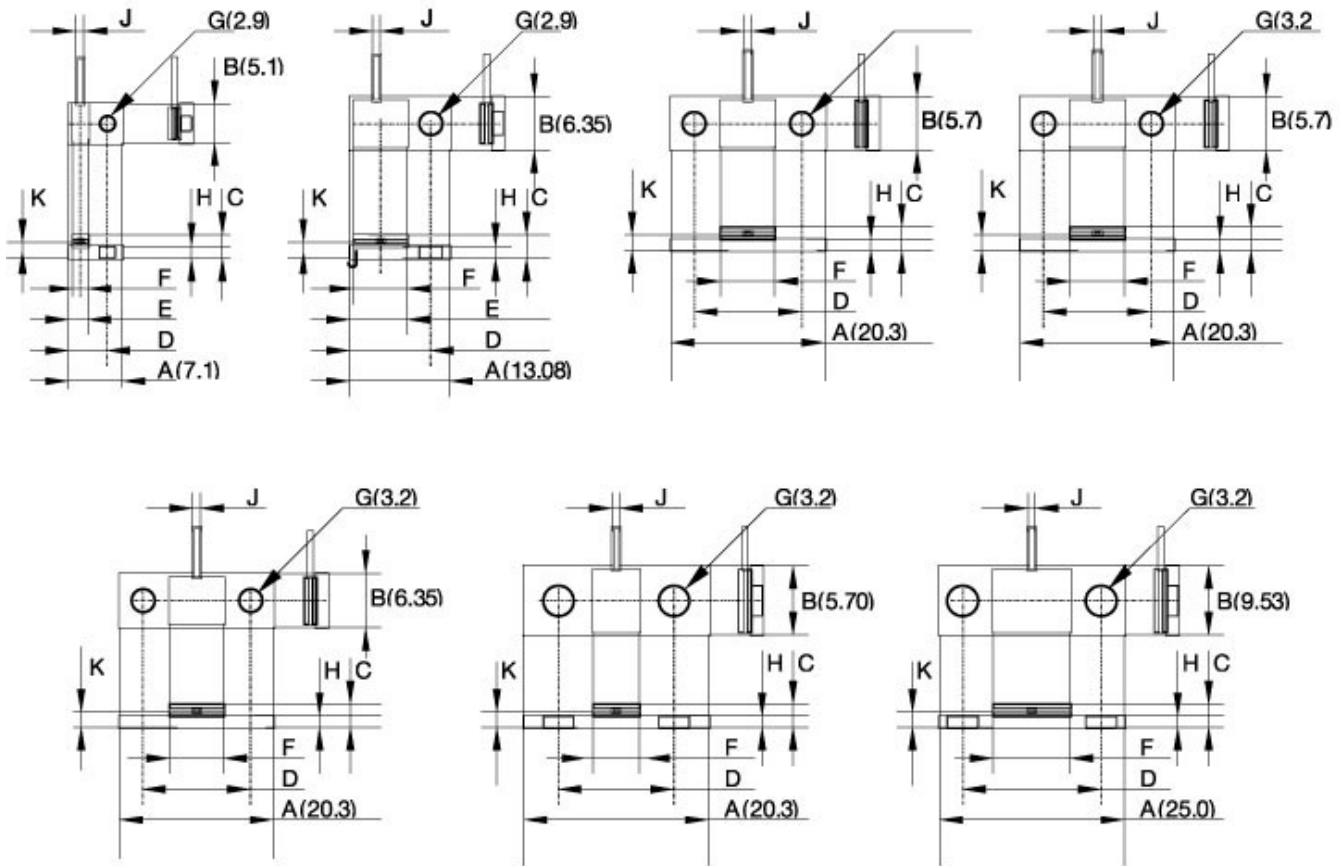
Characteristics

Type	TFTF10	TFTF40	TFTF50	TFTF100	TFTF120	TFTF150	TFTF250
Power Rating	10W	40W	50W	100W	120W	150W	250W
Return Loss	Less than 1.1						
Capacitance	Less than 0.8pF		Less than 1.0pF				
Rating Temp.	25C						
Max. Voltage	E=Root(PR), where P is rating power, R is resistance						
TC	+/-50ppm/C(C)						
Frequency	DC to 3GHz						
Short Time OL	5 times rating power within 5 seconds						
Operating Temp.	-55C to +155C						
Storage Temp.	-55C to +155C						

Ordering Information

P/N	Type	Rating Power	TCR	Resistance	Tolerance
TFTF10C50ohmF	TFTF	10W	C (50ppm/C)	50 ohm	F (+/-1%)
TFTF40C75ohmF	TFTF	40W	C (50ppm/C)	75 ohm	F (+/-1%)
TFTF50C50ohmF	TFTF	50W	C (50ppm/C)	50 ohm	F (+/-1%)
TFTF100C75ohmF	TFTF	100W	C (50ppm/C)	75 ohm	F (+/-1%)
TFTF120C50ohmF	TFTF	120W	C (50ppm/C)	50 ohm	F (+/-1%)
TFTF150C75ohmF	TFTF	150W	C (50ppm/C)	75 ohm	F (+/-1%)
TFTF250C50ohmF	TFTF	250W	C (50ppm/C)	50 ohm	F (+/-1%)

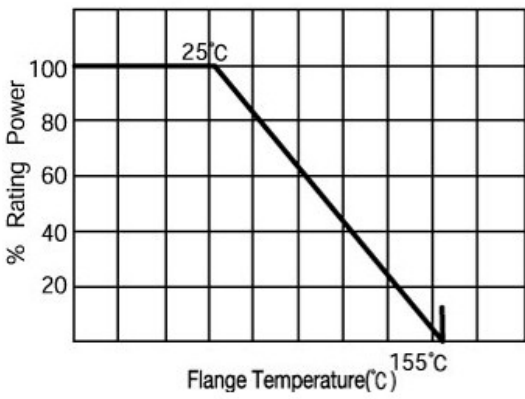
Dimensions (mm)



Type	A	B	C	D	E	F	G	H	J	K
TFTF10	7.6	5.10	3.1	5.00	3.0	3.0	2.9	1.5	0.8	2.2
TFTF40	13.0	6.35	3.1	9.90		6.8	2.9	1.5	0.8	2.2
TFTF50	20.3	5.70	3.1	14.20	-	8.5	3.2	1.5	1.5	2.6
TFTF100	20.3	5.70	3.1	14.20	-	6.3	3.2	1.5	1.5	2.6
TFTF120	20.3	6.35	3.1	14.20	-	8.9	3.2	1.5	0.8	2.2
TFTF150	20.3	5.70	3.1	14.20	-	8.5	3.2	1.5	1.5	2.6
TFTF250	25.0	9.53	4.6	18.42	-	9.6	3.2	3.0	3.0	4.1

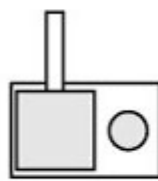
Derating Curve and Lead Styles

Derating Curve

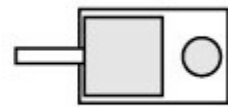


RFTF10, RFTF40

Lead Style of RFTF10 and RFTF40



RFTF40Y



RFTF40X

Additional Data

