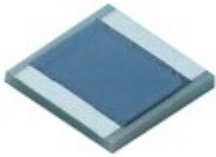




TFTS SURFACE MOUNT HIGH POWER TERMINATIONS



Features and Applications

High power surface mount terminations for all DC to 6GHz applications. The small size and wide frequency range specifications are made possible with a large heat conducting A/N substrate. Mechanical strength metallization is possible using a spattered thin film technology. 50 ohm and 75 ohm resistances with tolerances of 1% and wattages of 10W, 50W, 100W and 250W are provided as standard. Other resistances and powers are available. Long life and temperature stability are the result of Ni-Cr thin film technology. Flanged terminations are available with the RFTF series. Applications include: Terminations for isolator/circulator, fixed station of mobile communication electronics, high power microwave amplifiers.

General Specifications

Model	Power[W]	Max. Power[W]	Resistance[ohms]	Tolerance[%]	TCR
TFTS05	5	10	50, 75	+-1	+-50ppm/C
TFTS30	30	60			
TFTS50	50	100			
TFTS100	100	200			
TFTS250	250	500			

Characteristics

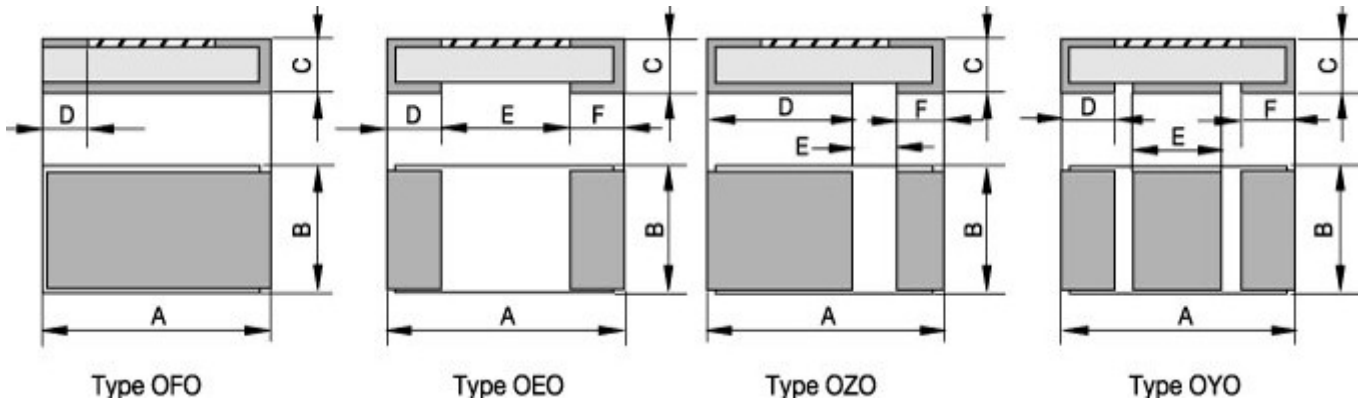
Model	TFTS05	TFTS50	TFTS100	TFTS250
Heat Resistance	12.5	2.5	1.3	0.5
VSWR	1.15	1.2	1.2	1.2
Max. Operating Temp.	-55 to +155C			
Storage Temp.	-55 to +155C			

Ordering Information

P/N	Model	TC	Resistance	Tolerance	Terminal Bulk/Tape	Remarks
TFTS05C50ΩF0F0	TFTS05	C	50 ohm	F	0F0	Bulk
TFTS05C50ΩF0E0	TFTS05		50 ohm		0E1	Tape Reel
TFTS10C100ΩF0F0	TFTS10		100 ohm		0F0	Bulk
TFTS10C100ΩF0Y0	TFTS10		100 ohm		0T1	Tape Reel
TFTS50C50ΩF0E0	TFTS50		50 ohm		0E0	Bulk
TFTS250C50ΩF0F0	TFTS250		50 ohm		0F1	Tape Reel

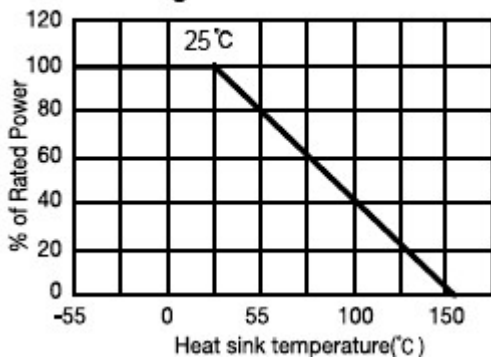
Dimensions

Type	Power	Type	A	B	C	D	E	F
TFTS05	5W	0F0	2.54	1.27	1.00	0.60		
TFTS05		0E0	2.54	1.27	1.00	0.60	1.00	0.60
TFTS10	10W	0F0	5.08	2.54	1.00	1.00		
TFTS10		0E0	5.08	2.54	1.00	1.00	3.00	1.00
TFTS50	50W	0F0	5.08	5.08	1.20	1.00		
TFTS50		0E0	5.08	5.08	1.20	1.00	3.00	1.00
TFTS50		0Z0	5.08	5.08	1.20	3.00	1.08	1.00
TFTS50		0Y0	5.08	5.08	1.20	1.00	2.00	1.00
TFTS100	100W	0F0	5.84	8.89	1.20	1.20		
TFTS100		0E0	5.84	8.89	1.20	1.20	2.40	1.20
TFTS100		0Z0	5.84	8.89	1.20	3.40	1.20	1.20
TFTS100		0Y0	5.84	8.89	1.20	1.20	2.40	1.20
TFTS250	250W	0F0	9.52	9.52	1.20	1.20		
TFTS250		0E0	9.52	9.52	1.20	1.20	7.10	1.20
TFTS250		0Z0	9.52	9.52	1.20	7.10	1.20	1.20
TFTS250		0Y0	9.52	9.52	1.20	1.20	6.00	1.20

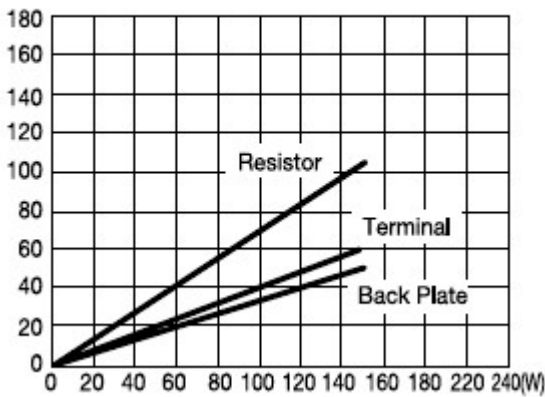


Derating Curve and Temperature Rise Curves

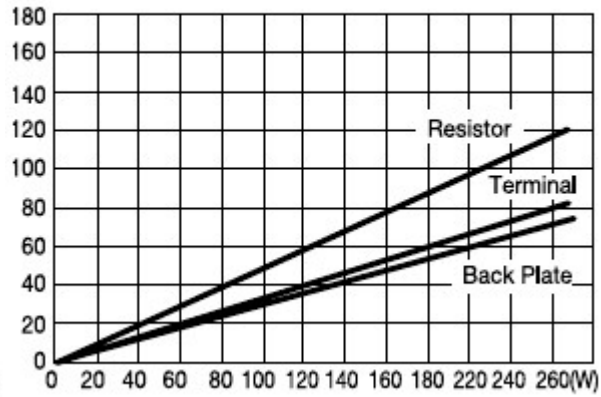
Derating Curve



Temperature Rise, RFTS 100C 50ohmF

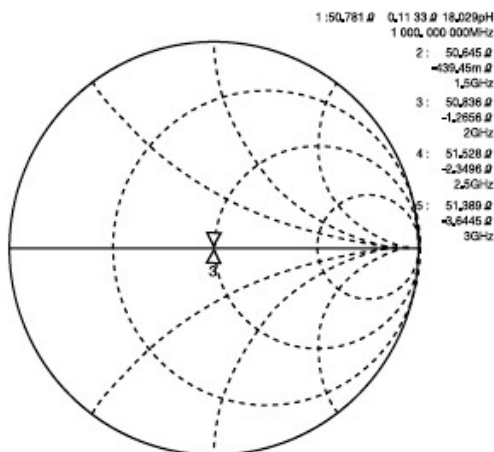


Temperature Rise, RFTS 250C 50ohmF

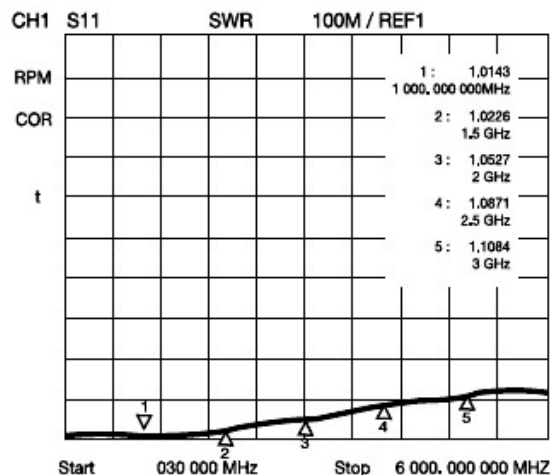


Additional Data

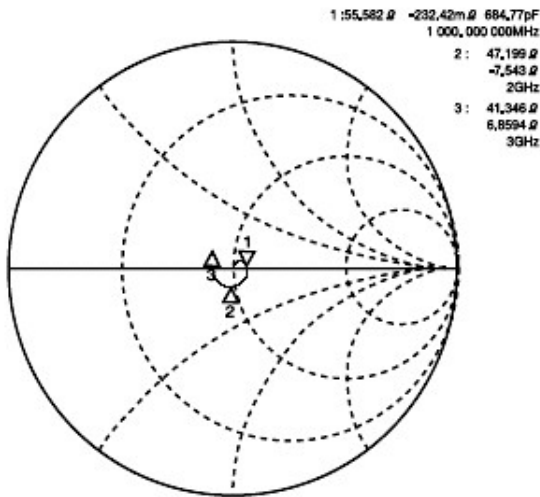
S11, RFTS05C 50ΩFOFO



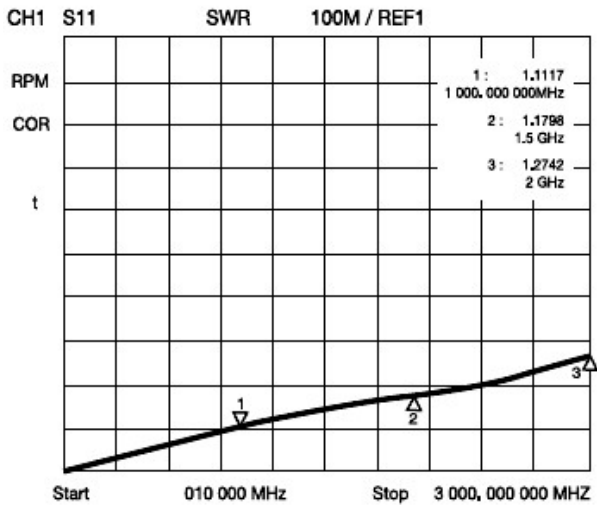
VSWR, RFTS05C 50ΩFOFO



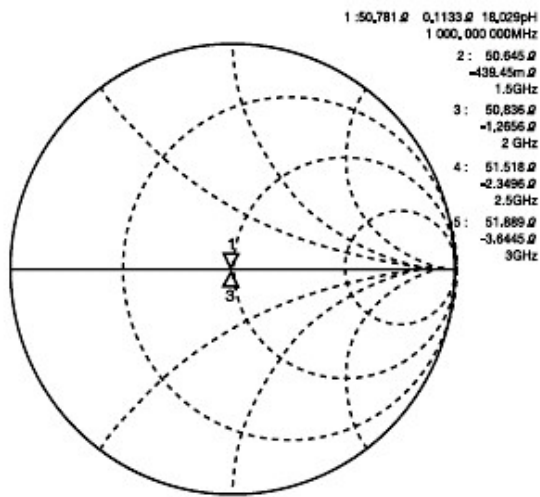
S11, RFTS100C 50ΩFOFO



VSWR, RFTS100C 50ΩFOFO



S11, RFTS250C 50ΩFOFO



VSWR, RFTS250C 50ΩFOFO

