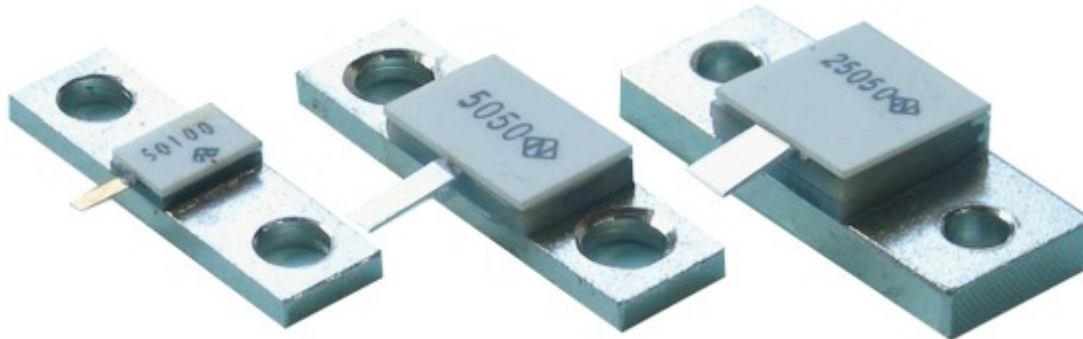


**TFT**  
**10W, 50W, 100W, 250W**  
**POWER FLANGE TERMINATIONS**  
**TFT010-1, TFT050-1, TFT100-1, TFT250-1**



### Features and Applications

These are high power, flanged terminations for all DC circuits up to 5GHz. The small size and wide frequency range are attained with a large heat conducting AlN substrate. Sufficient mechanical strength is attained from spattered thin metallization. These are standard with a 50ohm resistance, a tolerance of 1% and 10W, 50W, 100W and 250W. Ni-Cr thin film technology ensures long life. Applications include: Terminations for isolator/circulators, fixed station of mobile communication electronics, and high power microwave amplifiers.

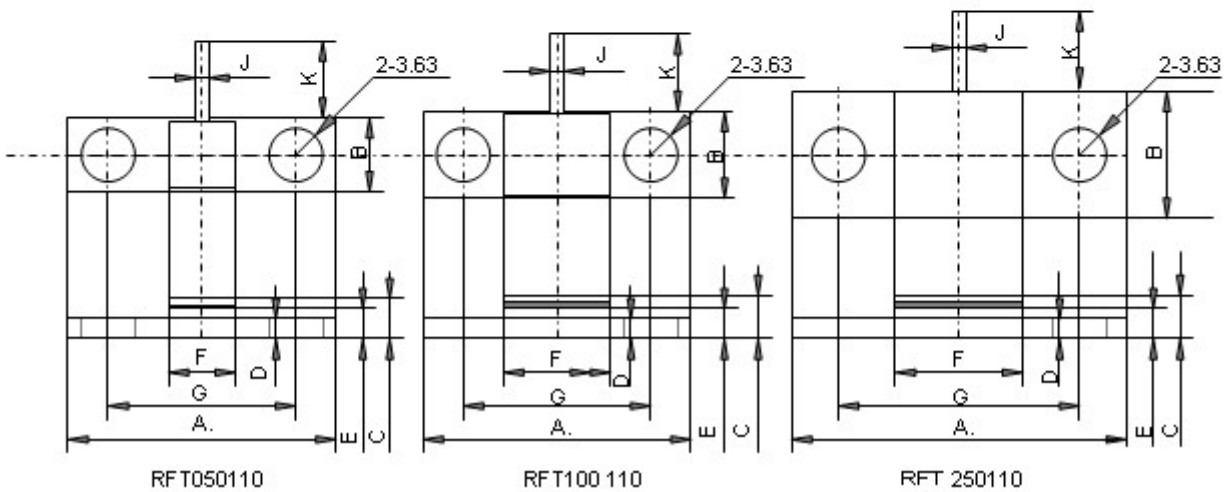
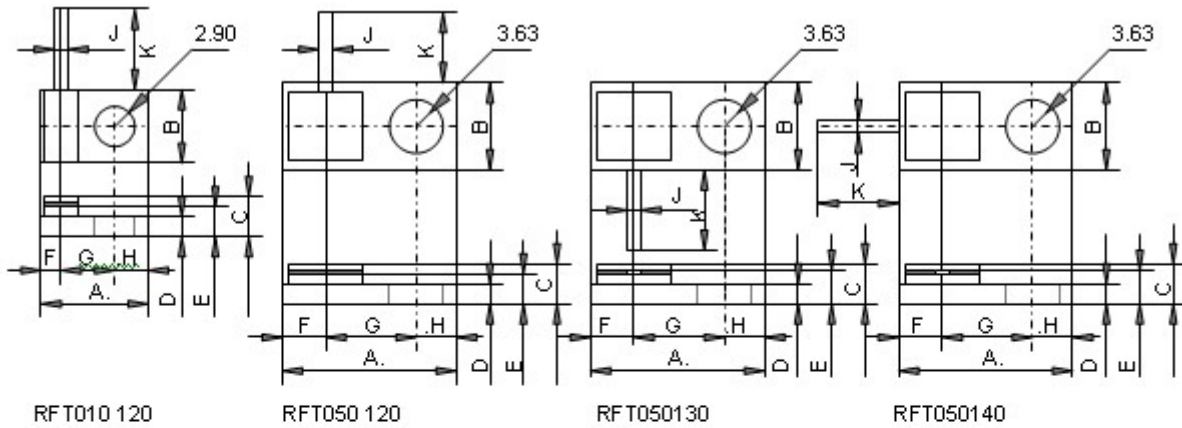
### Ordering Information

Ordering P/N	Type	Outlook	TC	Resistance	Tolerance	Bulk/Tape	Remarks
RFT010 120C50 OhmFZ00	RFT010	120	C	50 Ohm	F	Z00	Tray
RFT050 110C50 OhmFZ00	RFT050	110	C	50 Ohm	F	Z00	Tray
RFT050 120C50 OhmFZ00	RFT050	120	C	50 Ohm	F	Z00	Tray
RFT050 130C50 OhmFZ00	RFT050	130	C	50 Ohm	F	Z00	Tray
RFT050 140C50 OhmFZ00	RFT050	140	C	50 Ohm	F	Z00	Tray
RFT100 110C50 OhmFZ00	RFT100	110	C	50 Ohm	F	Z00	Tray
RFT250 110C50 OhmFZ00	RFT250	110	C	50 Ohm	F	Z00	Tray

### Specifications and Performances

Type	RFT010	RFT050	RFT100	RFT250	Conditions
Rated Power (W)	10	30	100	250	-55 - +100 deg C
Maximum Power (W)	20	50	200	500	Pulse < 1 second
Resistance (Std) Ohm	50 Ohms				
TCR (ppm/deg C)	50				
Tolerance (%)	1.0				
Heat Resistance (deg CW)	6.5	2.5	1.3	0.5	
VSWR at 1GHz	1.15	1.15	1.20	1.20	
Max Operating Temperature	-55-155 deg C				
Storage Temperature	-55-155 deg C				

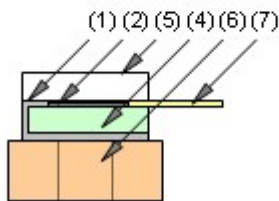
Style and Dimension



	A	B	C	D	E	F	G	H	J	K
RFT010	7.10	5.10	3.10	1.50	2.20	1.50	3.50	2.10	0.80	5.08
RFT050	13.08	6.35	3.10	1.50	2.20	(2.54)	7.49	3.05	0.80	5.08
RFT050	20.30	5.70	3.10	1.50	2.60	5.08	14.20	-	1.50	5.08
RFT100	20.30	6.35	3.10	1.50	2.60	8.89	14.20	-	1.50	5.08
RFT250	25.00	9.53	4.50	3.00	4.10	9.52	18.42	-	3.00	5.08

(1) Unit are mm, and tolerance are +/-0.1mm.

Materials



	Substance	Material
(1)	Cold end Terminal	Tin plated Ni-Cu
(2)	Resistive	Ni-Cr
(3)	Substrate	ALN
(4)	Hot end Terminal	Tin plated Ni-Cu
(5)	Cover	ALO
(6)	Flange	Ni plated Cu
(7)	Beam Lead	Au plated Cu