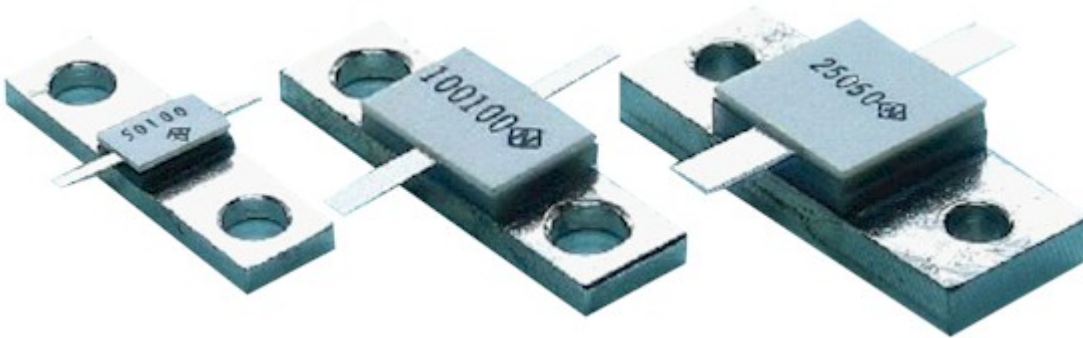


TFR RF FLANGE POWER RESISTORS TFR010-1, TFR050-1, TFR100-1, TFR250-1



Features and Applications

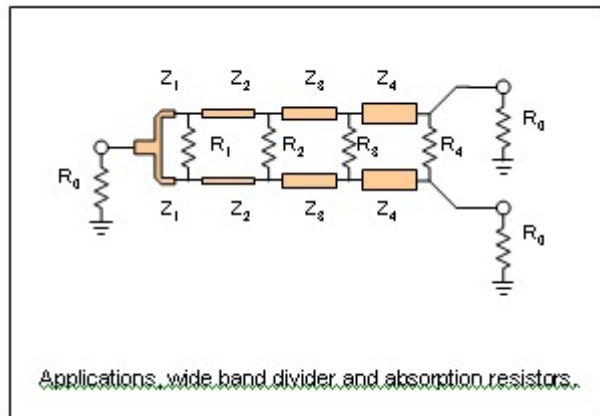
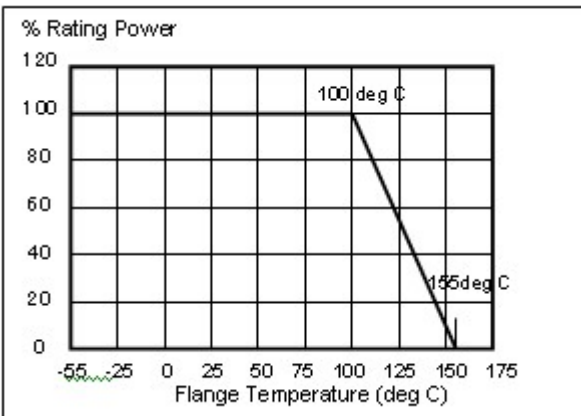
These components are designed for microwave applications and are available in wattages from 10-250W and ohmic values of 50-800ohms. Heat from the resistors can be extracted through back metal or flange to PCB or heat sink. The compact size and large power handling capability also have excellent RF characteristics. These units are RoHS compliant and are beryllium free. A 1% tolerance and 50ppm/C TCR ensure stable circuits. Applications include: RF power amplifiers, RF power sources, fixed station for cell phones, RF measurement and terminations of circulators/isolators.

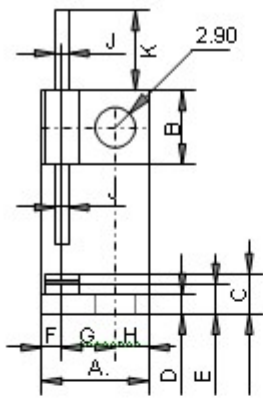
Ordering Information

Ordering P/N	Type	Outlook	TC	Resistance	Tolerance	Bulk/Tape	Package
RFR010 120 C100 OhmFZ00	RFR010	120	C	100 Ohm	F	Z00	Tray
RFR050 120 C150 OhmFZ00	RFR050	120	C	150 Ohm	F	Z00	Tray
RFR050 110 C200 OhmFZ00	RFR050	110	C	200 Ohm	F	Z00	Tray
RFR100 110 C300 OhmFZ00	RFR100	110	C	400 Ohm	F	Z00	Tray
RFR250 110 C800 OhmFZ00	RFR250	110	C	800 Ohm	F	Z00	Tray

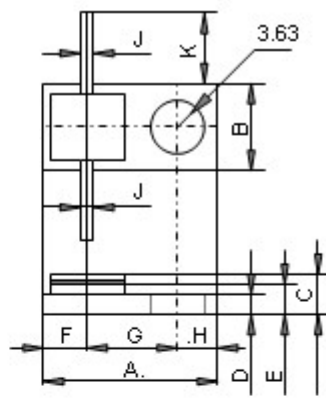
Specifications and Performances

Type	RFR010	RFR050	RFR100	RFR250	Remarks
Rating Power with Heatsink	10W	50W	100W	250W	-55 - 100 deg C at flange
Resistance	50, 100, 150, 200, 250, 300, 400, 600, 800 ohm				
TC	+/-50ppm/K (C)				
Tolerance	+/-1.0% (F)				
Operating Temp. Range	-55 deg C to +155 deg C				
Storage Temperature Range	-55 deg C to +155 deg C				
Load Life	+/-0.5%				
Humidity	+/-0.5%				
Series Inductance	-				
Parallel Capacitance	-				

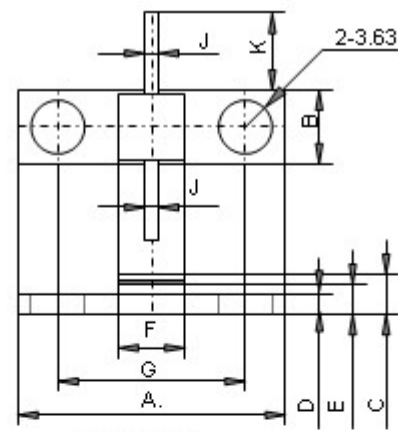




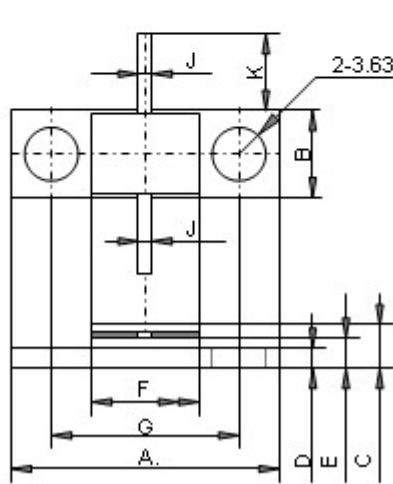
RFR010 120



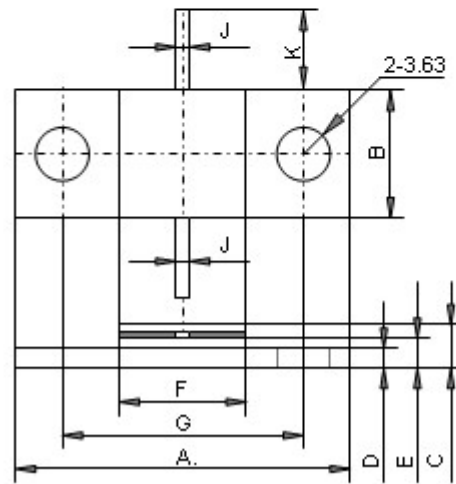
RFR050 120



RFR050 110



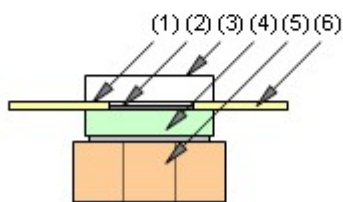
RFR100 110



RFR250 110

	A	B	C	D	E	F	G	H	J	K
RFR010	7.10	5.10	3.10	1.50	2.20	1.50	3.50	2.10	0.80	5.08
RFR050	13.08	6.35	3.10	1.50	2.20	(2.54)	7.49	3.05	0.80	5.08
RFR050	20.30	5.70	3.10	1.50	2.60	5.08	14.20	-	1.50	5.08
RFR100	20.30	6.35	3.10	1.50	2.60	8.89	14.20	-	1.50	5.08
RFR250	25.00	9.53	4.50	3.00	4.10	9.52	18.42	-	3.00	5.08

Materials



	Substance	Material
(1)	Beam Lead	Au plated Cu
(2)	Resistive	Ni-Cr
(3)	Cover	AL ₂ O ₃
(4)	Substrate	ALN
(5)	Flange	Ni plated Cu
(6)	Beam Lead	Au plated Cu