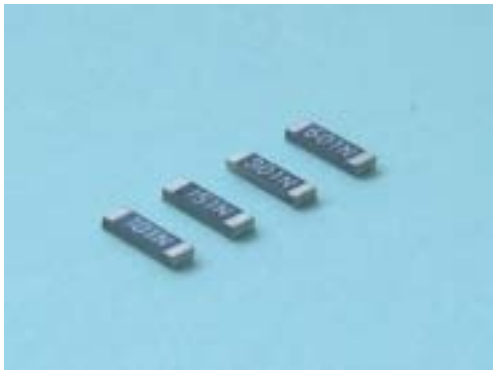


RF POWER RESISTORS  
RFH, RFK,  
RFR010-0, RFR050-0,  
RFR100-0, RFR250-0



Features and Applications

RFR000-000, RFH and RFK are specified rating power of 10W to 250W, resistance of 50ohm to 800ohm for microwave applications. Heat from the resistors can be extracted through back metal or flange to PCB or case heat sink. RF application.

Small sized large power handling feature shows excellent RF characteristics in equipment with RoHS compliance and Beryllium free design.

1% tolerance and 50ppm/degree tight resistances are made application circuit stable.

RF power amplifiers, RF power source, fixed station of cell phone, RF measurement and terminations of circulators / isolators.

Ordering Information

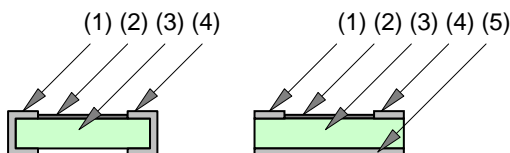
Ordering P/N	Type	Outlook	TC	Resistance	Tolerance	Bulk/Tape	Remarks
RFH52 C200 OhmFZ00	RFH52		C	200 Ohm	F	Z00-Z01	Bulk-Tape
RFH72 C200 OhmFZ00	RFH72		C	200 Ohm	F	Z00-Z01	Bulk-Tape
RFK52 C200 OhmFZ00	RFJ52		C	200 Ohm	F	Z00-Z01	Bulk-Tape
RFK72 C200 OhmFZ00	RFJ72		C	200 Ohm	F	Z00-Z01	Bulk-Tape
RFR010 010 C50 OhmFZ00	RFR010	010	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR010 020 C50 OhmFZ00	RFR010	020	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR050 010 C50 OhmFZ00	RFR050	010	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR050 020 C50 OhmFZ00	RFR050	020	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR100 010 C50 OhmFZ00	RFR100	010	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR100 020 C50 OhmFZ00	RFR100	020	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR250 010 C50 OhmFZ00	RFR250	010	C	50 Ohm	F	Z00-Z01	Bulk-Tape
RFR250 020 C50 OhmFZ00	RFR250	020	C	50 Ohm	F	Z00-Z01	Bulk-Tape

Specifications and Performances

Type	RFH52 RFH72	RFK52 RFK72	RFR010-0	RFR050-0	RFR100-0	RFR250-0
Rating Power with Heatsink	10W	10W	10W	50W	100W	250W
Resistance	50, 100, 150, 200, 250, 300, 400, 600, 800 ohm					
TC	+/- 50ppm/K (C)					
Tolerance	+/- 1.0% (F)					
Rated Ambient Temp.	70C					
Operating Temp Range	-55C to +155C					
Load Life	+/- 0.5%					
Humidity	+/- 0.5%					
Series Inductance	3.2 uH	3.2 uH				-
Parallel Capacitance	< 0.05 pF	< 0.05 pF				-

(Note 1) Old RFJ, leaded, was discontinued, please attach beam lead on RFK at customers.

Materials

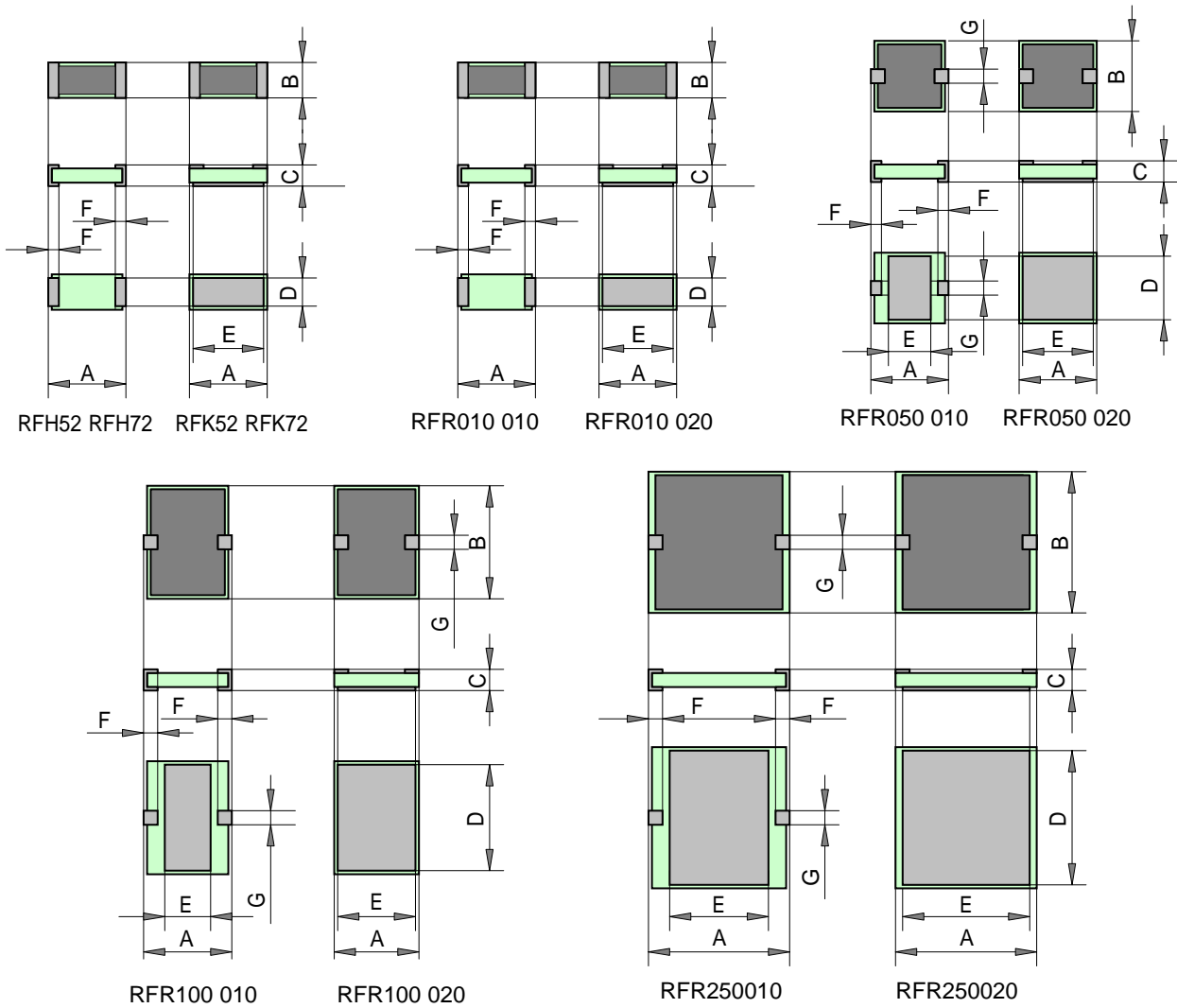


	Substance	Material
(1)	Cold End Terminal	Tin plated Ni-Cu
(2)	Resistive	Ni-Cr
(3)	Substrate	ALN
(4)	Hot End Terminal	Tin plated Ni-Cu
(5)	Back Metal	Tin plated Ni-Cu

RF POWER RESISTOR

RFH, RFK, RFR010-0, RFR050-0, RFR100-0, RFR250-0

Dimension



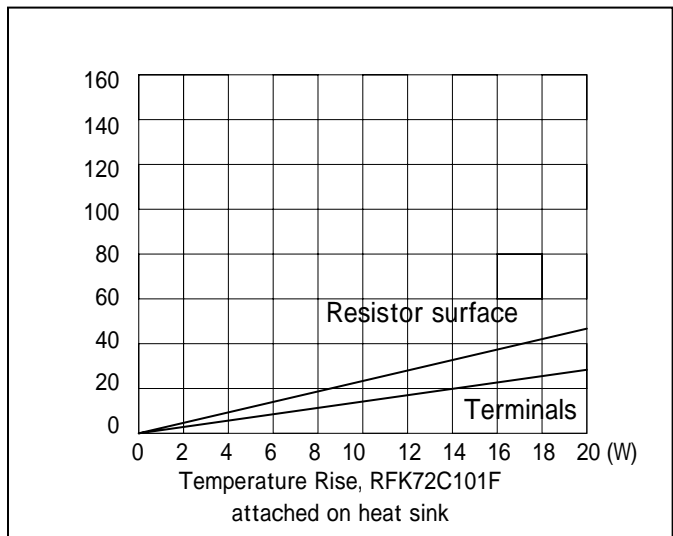
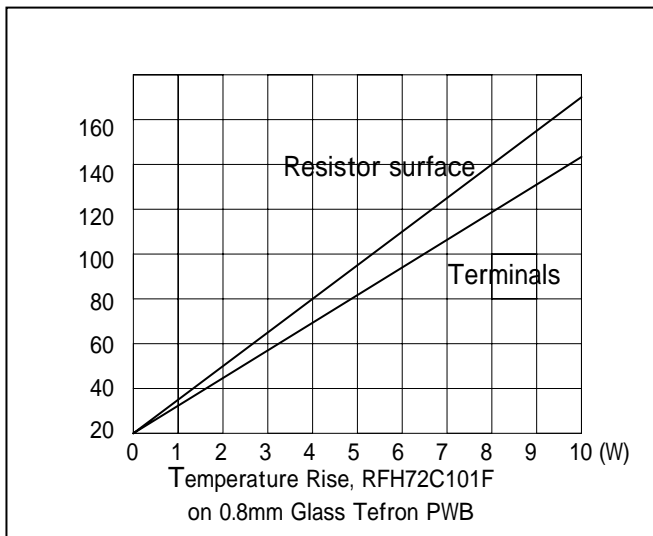
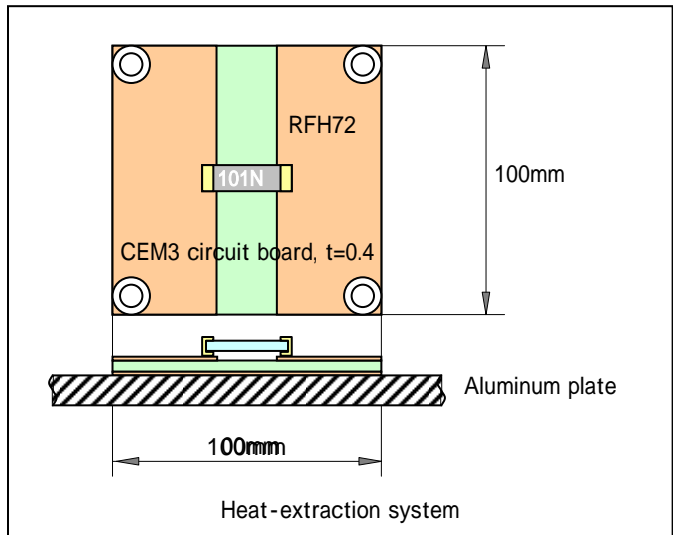
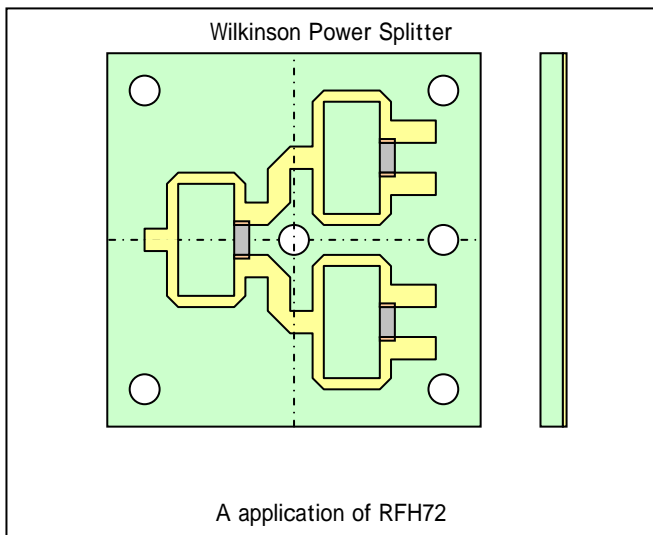
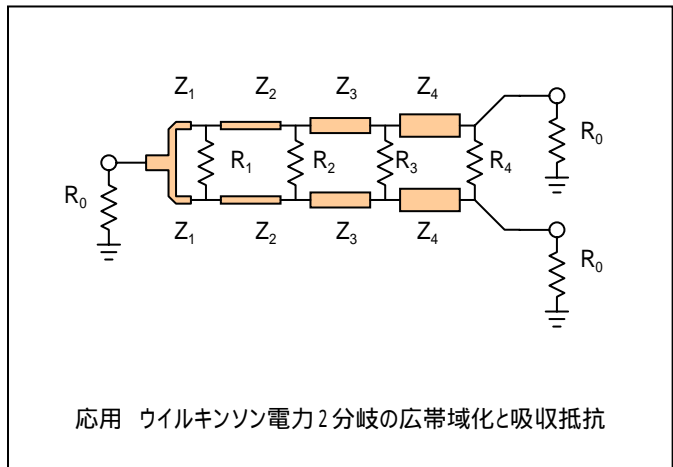
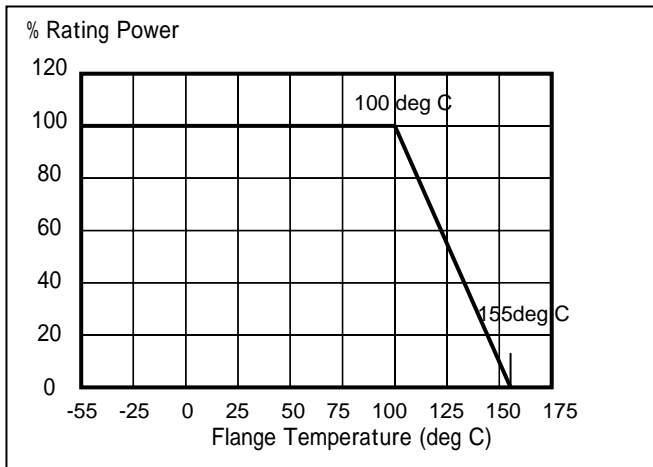
Type	Power	A	B	C	D	E	F	G
RFH52	10W	5.0	2.5	1.2max	-	-	0.8	-
RFH72	10W	7.0	2.0	1.2max	-	-	0.8	-
RFK52	10W	5.0	2.5	1.2max	2.3	4.8	0.8	-
RFK72	10W	7.0	2.0	1.2max	1.8	6.8	0.8	-

Type	Power	A	B	C	D	E	F	G
RFR010 010	10W	5.08	2.54	1.05	-	-	1.27	-
RFR010 020		5.08	2.54	1.05	2.34	4.88	1.27	-
RFR050 010	50W	5.08	5.08	1.05	4.84	2.00	1.27	1.27
RFR050 020		5.08	5.08	1.05	4.84	4.68	1.27	1.27
RFR100 010	100W	5.84	8.89	1.05	8.49	2.54	1.27	1.27
RFR100 020		5.84	8.89	1.05	8.49	5.45	1.27	1.27
RFR250 010	250W	9.52	9.52	1.05	9.12	6.00	1.27	1.27
RFR250 020		9.52	9.52	1.05	9.12	9.12	1.27	1.27

Note1: Gap of "J" shall be sufficient height as RF characteristics.

RF POWER RESISTOR

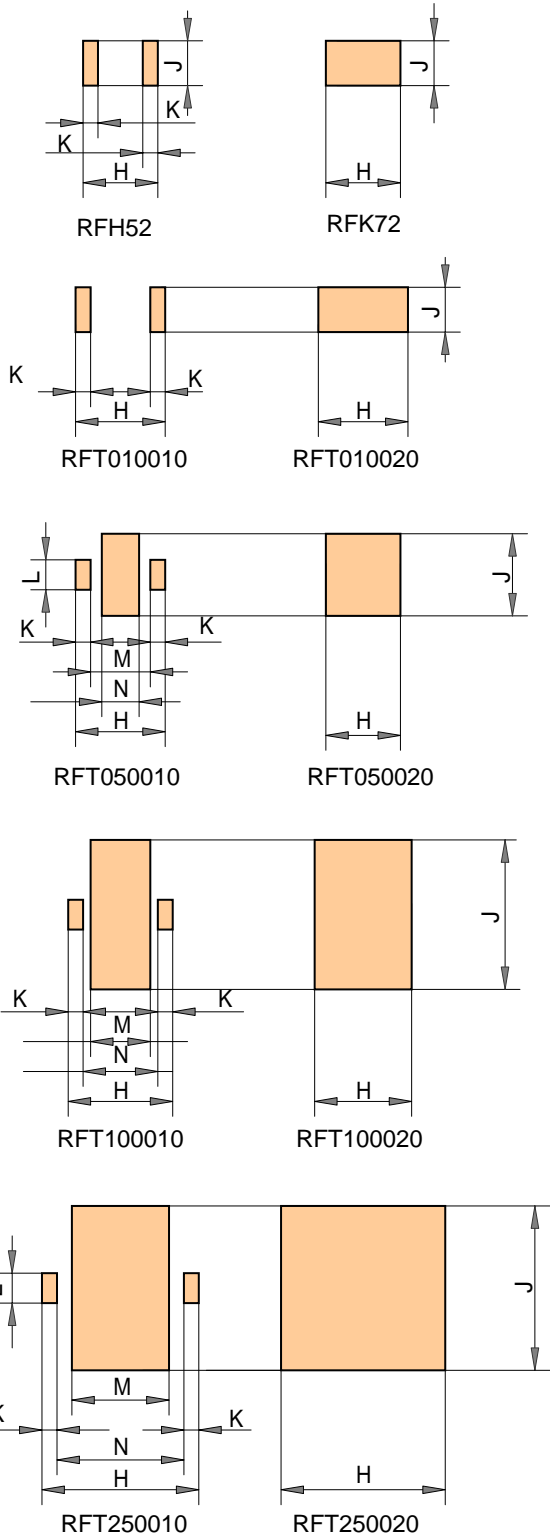
RFH, RFK, RFR010-0, RFR050-0, RFR100-0, RFR250-0



RF POWER RESISTOR

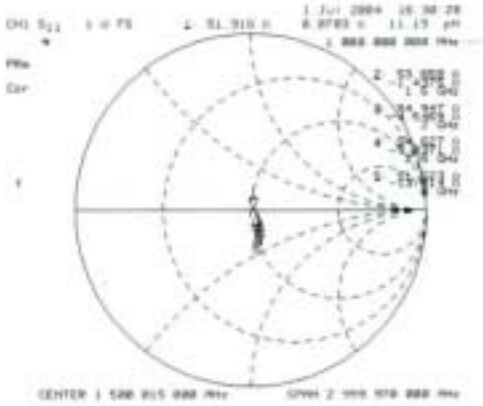
RFH, RFJ, RFK, RFR010-0, RFR050-0, RFR100-0, RFR250-0

Foot Pattern

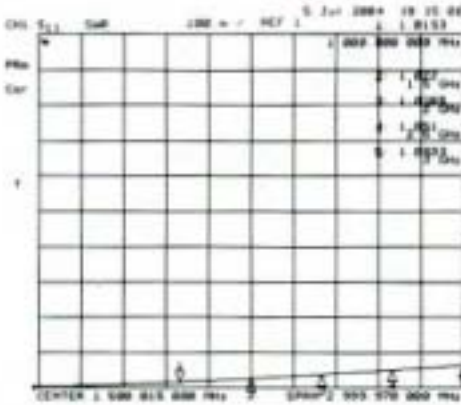


(mm)	H	J	K	L	M	N
RFH52	5.40	2.70	1.20	-	-	-
RFH72	7.40	2.40	1.20	-	-	-
RFK52	5.40	2.70	-	-	-	-
RFK72	7.40	2.40	-	-	-	-
RFT010 010	5.48	2.94	1.67	-	-	-
RFT010 020	5.48	2.94	-	-	-	-
RFT050 010	5.48	5.48	1.47	1.47	2.54	2.14
RFT050 020	5.48	5.48	-	-	-	-
RFT100 010	6.24	9.29	1.47	1.47	3.30	2.90
RFT100 020	6.24	9.29	-	-	-	-
RFT250 010	9.92	9.92	1.47	1.47	6.98	6.58
RFT250 020	9.92	9.92	-	-	-	-

Frequency Characteristic



S11, RFH72C500F



VSWR, RFH72C500F