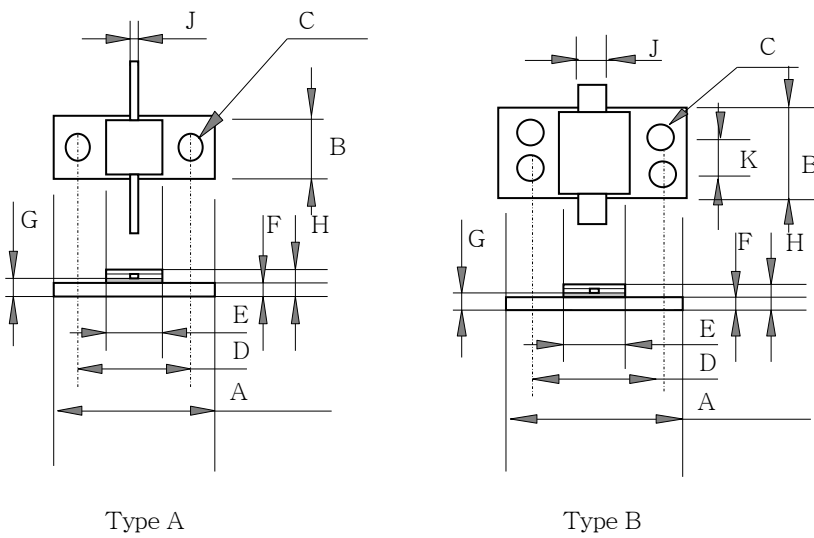


Product Specification	Part
RF Power Flange Resistor	CQR Flange Series

1. This type is designed to fulfill RF splitter
2. Dimensional specifications are detailed per the following draft



Part Dimensional (Unit : mm)

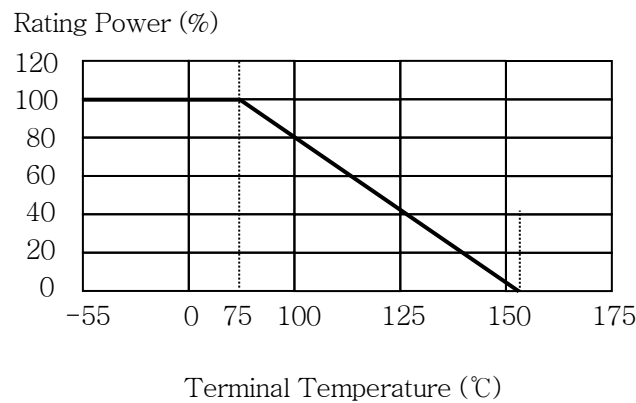
### Ordering Information

RF Power	Part No.	Frequency	Resistance	Values	Type
20W	CQR20F-101NI	DC to 3GHz	100 ohm	50ohm to 1Kohm	A
20W	CQR20F-101BE	DC to 6GHz	100 ohm	50ohm to 1Kohm	A
60W	CQR60F-101BE	DC to 6GHz	100 ohm	50ohm to 1Kohm	A
100W	CQR100F-101NI	DC to 3GHz	100 ohm	50ohm to 1Kohm	A
150W	CQR150F-101NI	DC to 3GHz	100 ohm	50ohm to 1Kohm	A
150W	CQR150FA-101NI	DC to 3GHz	100 ohm	50ohm to 1Kohm	A
250W	CQR250F-101NI	DC to 2GHz	100 ohm	50ohm to 1Kohm	A
250W	CQR250FA-101NI	DC to 2GHz	100 ohm	50ohm to 1Kohm	A
500W	CQR500F-101BE	DC to 800Mhz	100 ohm	50ohm to 1Kohm	A
600W	CQR600F-101BE	DC to 1.5Ghz	100 ohm	50ohm to 1Kohm	B
800W	CQR800F-101BE	DC to 1.2Ghz	100 ohm	50ohm to 1Kohm	B

### Part Designations (Unit : mm)

Part	A	B	C	D	E	F	G	H	J	K
CQR20F	12.60	5.20	2.80	7.20	3.10	1.50	2.20	3.40	0.80	
CQR60F	20.30	5.70	3.20	14.20	6.00	1.50	2.20	3.40	0.80	
CQR100F	20.30	5.70	3.20	14.20	7.20	1.50	2.20	3.40	0.80	
CQR150F	22.30	6.30	3.20	15.80	8.50	1.50	2.50	3.40	1.00	
CQR150FA	22.30	9.50	4.10	14.20	6.30	1.50	2.50	3.40	1.00	
CQR250F	25.10	9.60	3.40	18.40	10.0	3.00	4.10	4.90	3.00	
CQR250FA	27.10	9.90	3.20	21.00	12.70	2.60	4.10	5.00	2.50	
CQR500F	32.00	12.70	4.00	22.0	12.70	3.20	4.30	5.20	2.50	
CQR600F	48.30	26.40	4.20	40.00	25.40	3.20	4.80	6.10	6.40	12.70
CQR800F	48.30	26.40	4.20	40.00	25.40	3.20	4.80	6.10	6.40	12.70

### 3. Rating Power with Heat Sink



### 4. General Electrical Specifications

Items	Specification	Condition
Part	CQR Flange Series	
Rating RF power for dividing	20W to 800W	
Resistance Values	100ohm	Standard
Frequency	DC to 6GHz	
VSWR(Max)	1.25 : 1	
Temp. Coefficient of Resistance.	±200ppm/°C	-55 to +155°C
Tolerance of Resistance	±1%, 3%, 5%	

Note: Other resistance values and tolerances available upon request

### 5. Electrical and mechanical Specifications

Items	Specifications	Test Conditions
Operation Temp. Range	-55 to + 155 °C	
Storage Temp. Range	-55 to + 155 °C	
Withstanding Voltage	1,500 Volt	60 seconds.
Load Life	$\pm(1.0\% + 0.05 \text{ ohm})$	25°C 90min ON, 30min OFF, 1000hours.
Humidity	$\pm(1.0\% + 0.05 \text{ ohm})$	40°C 90-95% RH, DC 0.1W, 1000hours.
Temperature Cycle	$\pm(0.25\% + 0.05 \text{ ohm})$	-55°C 30min., + 155°C 30min., 5cycles.
Soldering Heat	$\pm(0.25\% + 0.05 \text{ ohm})$	350±5°C, 3seconds,
Solderability	Over 3/4 of surface	230±5°C, 3seconds.
Insulation Resistance	Over 1000 Mohm	Between terminals and resistor body.
Vibration	$\pm(0.25\% + 0.05 \text{ ohm})$	

### 6. Country of Origin

The resistors are produced at KOREA main factory of Cqtel Co.

\* Specifications, appearance, performance, functions, etc, may be changed without notice.