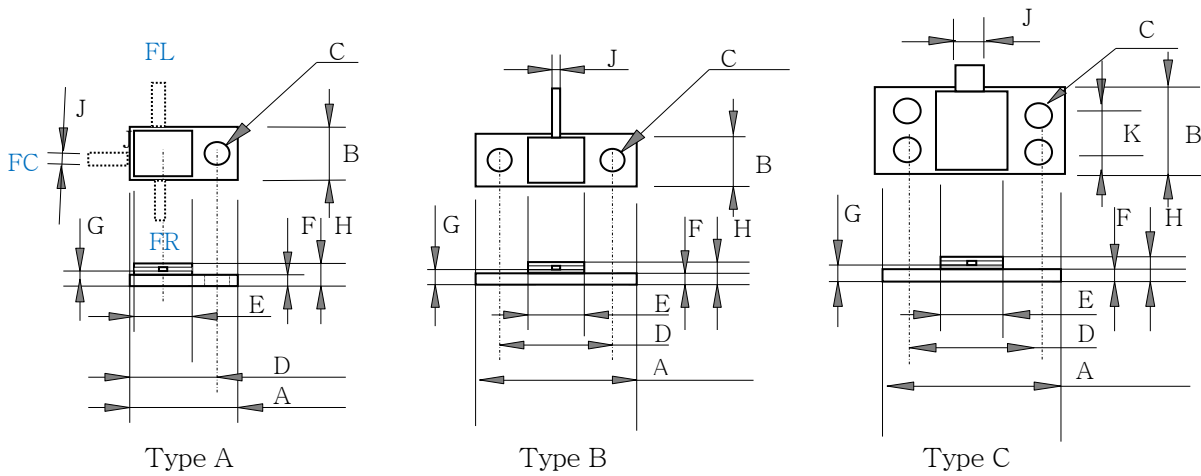


Product Specification	Part
RF Power Flange Terminations	CQT Flange Series

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



Part Dimensional (Unit : mm)

Ordering Information

RF Power	Part No.	Frequency	Resistance	Values	Type
20W	CQT20F-500NI	DC to 3GHz	50 ohm	50ohm, 75ohm	B
50W	CQT50FC-500NI	DC to 4GHz	50 ohm	50ohm, 75ohm	A
50W	CQT50FL-500NI	DC to 4GHz	50 ohm	50ohm, 75ohm	A
50W	CQT50FR-500NI	DC to 4GHz	50 ohm	50ohm, 75ohm	A
100W	CQT100F-500NI	DC to 3GHz	50 ohm	50ohm, 75ohm	B
100W	CQT100F-500BE	DC to 6GHz	50 ohm	50ohm, 75ohm	B
100W	CQT100FC-500NI	DC to 3GHz	50 ohm	50ohm, 75ohm	A
100W	CQT100FL-500NI	DC to 3GHz	50 ohm	50ohm, 75ohm	A
100W	CQT100FR-500NI	DC to 3GHz	50 ohm	50ohm, 75ohm	A
150W	CQT150F-500NI	DC to 2.5GHz	50 ohm	50ohm, 75ohm	B
150W	CQT150FA-500NI	DC to 2.5GHz	50 ohm	50ohm, 75ohm	B
200W	CQT200FC-500NI	DC to 1.5GHz	50 ohm	50ohm, 75ohm	A

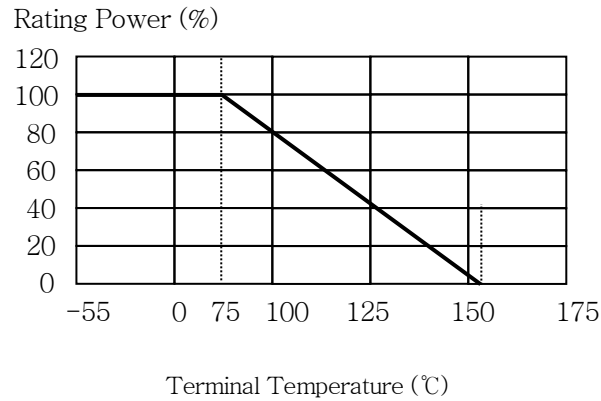
Ordering Information

RF Power	Part No.	Frequency	Resistance	Values	Type
200W	CQT200FL-500NI	DC to 1.5GHz	50 ohm	50ohm, 75ohm	A
200W	CQT200FR-500NI	DC to 1.5GHz	50 ohm	50ohm, 75ohm	A
250W	CQT250F-500NI	DC to 2.5GHz	50 ohm	50ohm, 75ohm	B
300W	CQT300F-500NI	DC to 2GHz	50 ohm	50ohm, 75ohm	B
400W	CQT400F-500NI	DC to 2.2GHz	50 ohm	50ohm, 75ohm	B
500W	CQT500F-500BE	DC to 6GHz	50 ohm	50ohm, 75ohm	C
500W	CQT500FA-500NI	DC to 2GHz	50 ohm	50ohm, 75ohm	C
800W	CQT800F-500NI	DC to 1.1GHz	50 ohm	50ohm, 75ohm	C

Part Designations (Unit : mm)

Part	A	B	C	D	E	F	G	H	J	K
CQT20F	12.70	5.10	2.90	7.60	2.50	1.50				
CQT50FC	13.00	6.30	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT50FL	13.00	6.30	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT50FR	13.00	6.30	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT100F	20.30	5.70	3.20	14.60	8.90	1.50	2.50	3.40	1.00	
CQT100FC	12.70	9.50	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT100FL	12.70	9.50	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT100FR	12.70	9.50	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT150F	20.30	5.70	3.20	14.60	8.90	1.50	2.50	3.40	1.00	
CQT150FA	22.30	6.30	3.20	14.20	8.50	1.50	2.50	3.20	1.00	
CQT200FC	12.70	9.50	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT200FL	12.70	9.50	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT200FR	12.70	9.50	2.90	9.90	6.10	1.50	2.50	3.40	0.80	
CQT250F	25.00	9.50	3.20	18.40	9.60	3.00	4.10	4.50	3.00	
CQT250FA	27.00	10.00	3.20	21.00	12.70	2.60	4.10	4.50	2.40	
CQT300F	32.00	12.70	4.00	22.00	12.70	3.20	5.30	6.00	2.40	
CQT400F	32.00	12.70	4.00	22.00	12.70	3.20	5.30	6.00	2.40	
CQT500F	35.00	20.00	3.20	26.00	15.00	2.80	3.20	7.00	2.40	8.00
CQT500FA	48.30	26.40	4.20	40.00	25.40	3.20	4.80	6.10	2.40	12.70
CQT800F	48.30	26.40	4.20	40.00	25.40	3.20	4.80	6.10	2.40	12.70

3. Rating Power with Heat Sink



4. General Electrical Specifications

Items	Specification	Condition
Part	CQT Flange Series	
Rating RF Power	20W to 800W	
Resistance Values	50 ohm	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	±(1.0% + 0.05 ohm)	25°C 90min ON, 30min OFF, 1000hours.
Humidity	±(1.0% + 0.05 ohm)	40°C 90-95% RH, DC 0.1W, 1000hours.
Temperature Cycle	±(0.25% + 0.05 ohm)	-55°C 30min., +155°C 30min., 5cycles.
Soldering Heat	±(0.25% + 0.05 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	±(0.25% + 0.05 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.