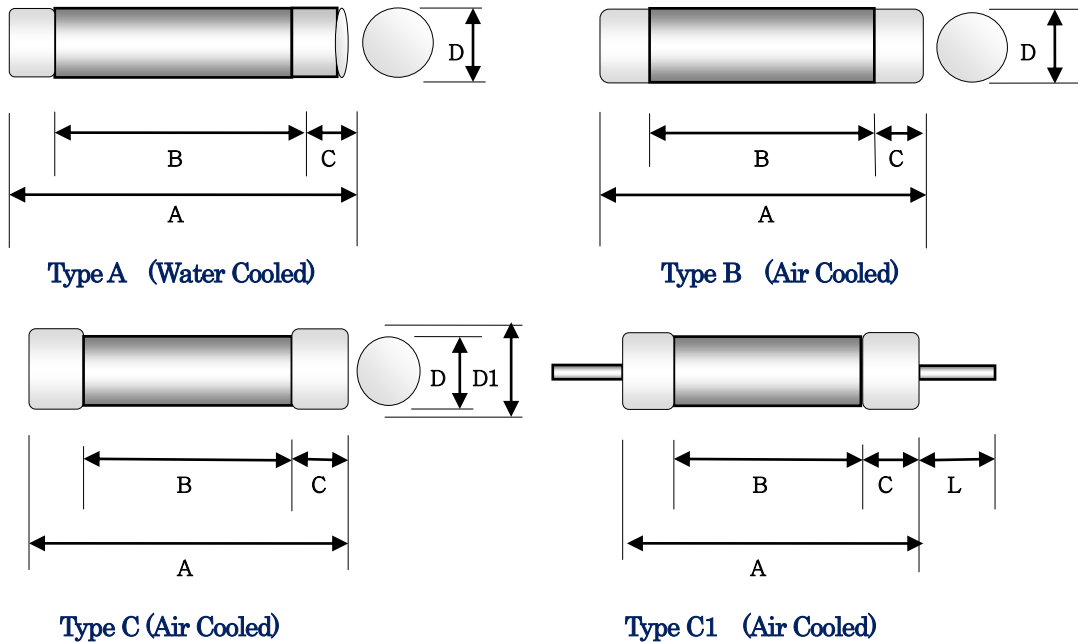


Product Specification	Part
High Voltage Power Resistors (NON Inductive)	CQH Series (Air / Water / Oil cooled)

1. CQH Cylinder Resistors is Non-Inductive available as Air & Water or Oil cooled.
This type is designed to Air cooled Roads & Internal Water cooled Roads or Oil cooled Roads.

Voltage : 5KV to 500KV
Power : 15W to 2000W
Resistance : 50 ohm



2. Part Type Designations (Unit : mm)

Part	Type	A	B	C	D	D1	L
CQH60A	A	127.50	108.50	9.50	12.50		
CQH200A	A	228.50	203.50	12.50	19.50		
CQH300A	A	300.50	270.50	15.00	27.50		
CQH15B	B C C1	52.50	43.50	4.50	9.00	9.70	33.50
CQH30B	B C C1	85.50	76.50	4.50	9.00	9.70	33.50
CQH60B	B C C1	127.50	118.50	4.50	9.00	9.70	33.50

Note: Other size and resistance values available upon request.

3. Ordering Information

Part No.	Type	Voltage	Power	TCR	Resistance	Tolerance	Condition
CQH60A-500AG	A	5KV	60W	C(100ppm/C)	50 ohm	+/-1%. 3%	Standard
CQH200A-500AG	A	30KV	200W	C(100ppm/C)	50 ohm	+/-1%. 3%	Standard
CQH300A-500AG	A	50KV	300W	C(100ppm/C)	50 ohm	+/-1%. 3%	Standard
CQH15B-500AG	B	15KV	15W	C(100ppm/C)	50 ohm	+/-1%. 3%	Standard
CQH30B-500C	C	25KV	30W	C(100ppm/C)	50 ohm	+/-1%. 3%	Standard
CQH60B-500CL	Cl	50KV	60W	C(100ppm/C)	50 ohm	+/-1%. 3%	Standard

Note: Other size and resistance values available upon request.

4. Rating.

4-1. Rating Power with Air/ Water/ Oil Cooled (Fig.1)

Resistors have power rating based on full load operation at terminals temperature from - 55C to + 225C. Operating power shall be derated as figure 2 in operating at excess of + 225C of terminal temperature.

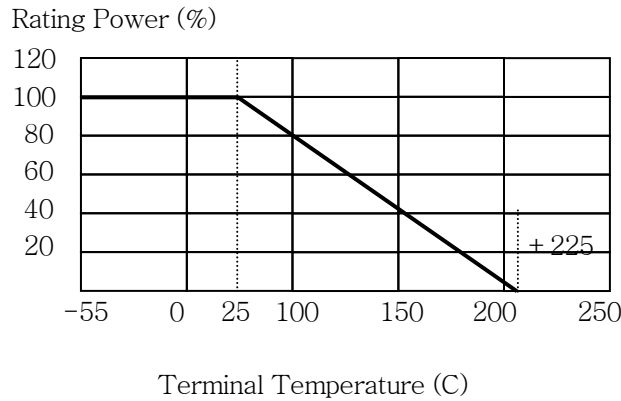


Fig.1

4-2. General Electrical Specifications

Items	Specification	Condition
Part	CQH Series	
Rating Power	15W to 2000W	4-1
Resistance Values	50 ohm	Standard
Voltage	15KV to 500KV	
VSWR(Max)	1.20 : 1	
Temp. Coefficient of Resistance.	+/-100ppm/C	-55C to +225C
Tolerance of Resistance	+/- 1% 3%	Standard

Note: Other size and resistance values available upon request.

4. Electrical and mechanical Specifications

Items	Specifications	Test Conditions
Operation Temp. Range	-55- + 225 C	
Storage Temp. Range	-55 - + 225 C	
Withstanding Voltage	1,500 Volt	60 seconds.
Load Life	+ /-(1.0 %+ 0.05 ohm)	25C, 90min.ON, 30min.OFF, 1000hours.
Humidity	+ /- (1.0 %+ 0.05 ohm)	40C, 90-95%RH, DC 0.1W, 1000hours.
Temperature Cycle	+ /- (0.25 %+ 0.05 ohm)	-55C, 30 min., + 225C 30min., 5cycles.
Soldering Heat	+ /- (0.25 %+ 0.05 ohm)	350+ /-5C, 3seconds,
Solderability	Over 3/4 of surface	230+ /-5C, 3seconds.
Insulation Resistance	Over 1000 M ohm	Between terminals and resistor body.
Vibration	+ /- (0.25 %+ 0.05 ohm)	

5. Quality Assurance

Cqtel shall be assure to the CiTEL customers of the resistors quality. Receiving fault report from the customer, analyzing the cause of fault and reporting of QA to the customer shall be obligation of Cqtel, because brand of the resistor and CQH series is right of CiTEL.

6. Country of Origin

The resistors are produced at main factory of CiTEL Co., Ltd.