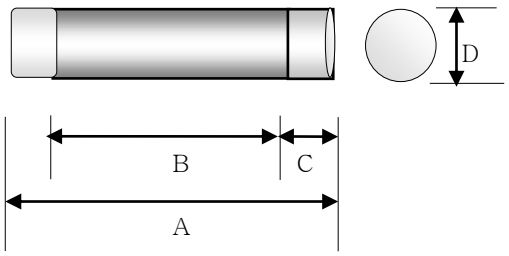
Product Specification / 23.2nd	Part
High Voltage Power Resistors	CQH ROD Series Non Inductive

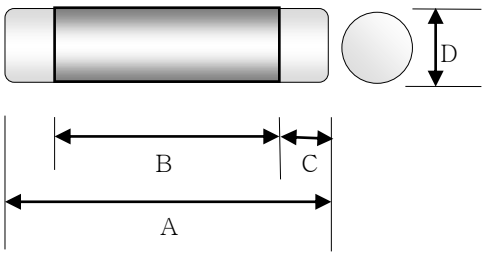
* Specifications, appearance, performance, functions, etc, may be changed without notice

1. This type is designed to / Air cooled Roads / Internal Water cooled Roads / Oil cooled Roads.

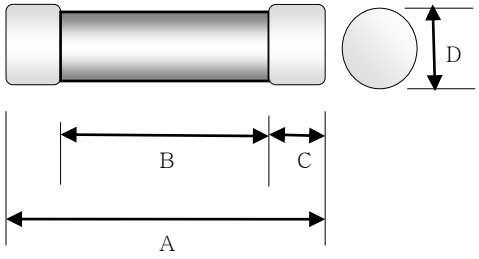
2. Dimensional specifications are detailed per the following draft



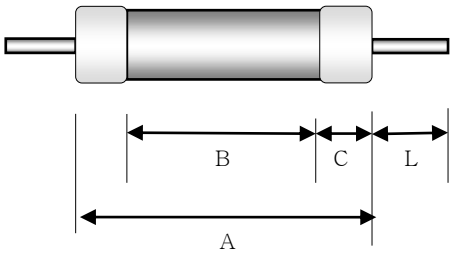
Type A



Type B



Type C



Type D

Part Dimensional (Unit : mm)

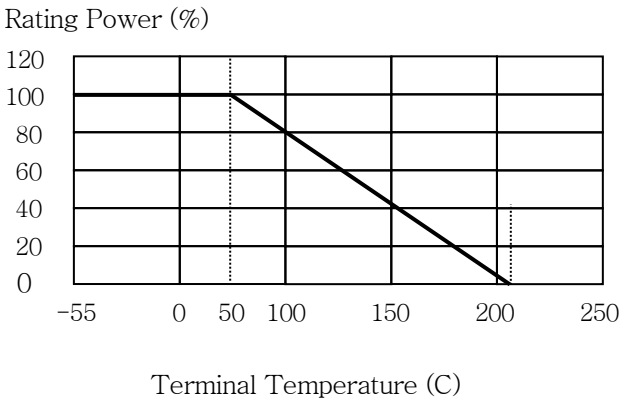
Ordering Information

Part No.	Voltage	Power	Resistance	Values	Cooled	Type
CQH15B-500AG	2KV	15W	50 ohm	50ohm to 1Kohm	Air	B
CQH15C-500NI	2KV	15W	50 ohm	50ohm to 1Kohm	Air	C
CQH15D-500NI	2KV	15W	50 ohm	50ohm to 1Kohm	Air	D
CQH60A-500AG	5KV	60W	50 ohm	50ohm to 1Kohm	Water	A
CQH200A-500AG	30KV	200W	50 ohm	50ohm to 1Kohm	Water	A
CQH300A-500AG	50KV	300W	50 ohm	50ohm to 1Kohm	Water	A

Part Designations (Unit : mm)

Part	A	B	C	D	L
CQH15B	84.50	69.50	7.50	9.00	
CQH15C	86.00	75.50	4.50	9.80	
CQH15D	86.00	75.50	4.50	9.80	22.50
CQH60A	127.50	118.50	4.50	12.80	
CQH200A	228.50	203.50	12.50	19.50	
CQH300A	300.50	270.50	15.00	27.50	

3. Rating Power



4. General Electrical Specifications

Items	Specification	Condition
Part	CQH Series	Non Inductive
Rating Power	15W to 300W	
Resistance Values	50ohm to 1Kohm	
Voltage	2KV to 50KV	
Temp. Coefficient of Resistance.	±200ppm/℃	-55℃ to + 225℃
Tolerance of Resistance	±1%, 3%, 5%	

Note: Other size and resistance values available upon request

5. Electrical and mechanical Specifications

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