

Application Reference



Notes: CQ series are standard AEC Q200 qualified chip resistor recommended to be used in non critical location of the automotive.
 AECQ 200 grade qualification is base on the operating temperature of the above chip resistor series.
 Below information are references subject to final approval of end customer.

	SERIES	AECQ-200 compliant	APPLICATION										
			Consumer Electronics	Automotive	Power Supply	Telecom	Computer Peripherals	Digital/ Smart Metering	Medical	Industrial	IoT	LED / Lighting	BMS
Gen. Purpose	STD	✗	●		●	●	●	●			●	●	
Automotive	CQ	✓	●	●	●	●	●	●	●	●	●	●	●
Automotive High Power	HQ	✓	●	●	●	●	●	●	●	●	●	●	●
Anti Surge	AS	✓	●	●	●	●	●	●	●	●	●	●	●
High-Precision Anti-Surge	PS	✓	●	●	●	●	●	●	●	●	●	●	●
High Power	HP	✓	●	●	●	●	●	●	●	●	●	●	●
Ultra High Power	SP	✓	●	●	●	●	●	●	●	●	●	●	●
High Voltage	HV	✓	●	●	●	●	●	●	●	●	●	●	●
Low T.C.R	LT	✗	●		●	●	●				●	●	
Complete Pb-Free	PF	✗	●		●	●	●				●	●	
Wide Terminal	WR	✓	●	●	●	●	●	●		●	●	●	●
Anti-Electro Static Discharge	ES	✓	●	●	●		●						
Non-Magnetic	NM	✗	●		●	●							
Metal Foil	MS	✗	●			●	●	●			●	●	
Metal Film Low Resistance	TL	✗	●		●	●	●	●			●	●	
Metal Strip	LR	✓	●	●	●	●	●	●	●	●	●	●	●
Metal Alloy	ML	✗	●		●	●	●	●			●	●	
Current Sensing	CS	✓	●	●	●	●	●	●	●	●	●	●	●
Chip Resistors Shunt	RS	✓	●	●	●	●	●	●	●	●	●	●	●
Anti-Sulfurized Automotive	NQ	✓	●	●	●	●	●	●	●	●	●	●	●
High Quality Anti-Sulfurized	NS	✓	●	●	●	●	●	●	●	●	●	●	●
High- Precision Thin Film	TC	✗	●		●	●	●	●			●	●	
Chip Array	-	✗	●		●	●	●	●			●		
Chip Array Anti-Sulfurized	-	✓	●	●	●	●	●	●	●	●	●	●	●



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Regardless of the application of ROYALOHM products, it is recommended to carry out safety tests while using measures such as protective circuits and redundant circuits to protect the safety of equipment.



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