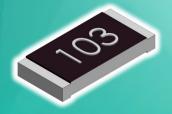
Automotive Thick Film Chip Resistors (CQ Series)



Features:

- AEC-Q200 Compliant
- Suitable for reflow and wave soldering
- Stable electrical capability, High reliability
- Anti Sulfuration
- Available in KIT packaging 1% E24





Application:

- Entertainment System
- Outdoor Electronic app
- Comfort & Safety Controls
- Lighting
- Batteries & Chargers
- Telecom
- Consumer Electronics
- General purpose

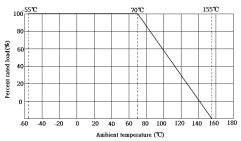


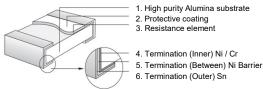


Automotive Thick Film Chip Resistors (CQ Series)

Uni Ohm U need it!

Derating Curve





Operating Temperature Range -55~+155°C

Туре	Power (70°C)	Max Working Voltage	Max Overload Voltage	Dielectric With standing Voltage	Resistance Value of Jumper	Rated Current of Jumper	Max. Current of Jumper
CQ01	1/20W	25V	50V	l	<50mΩ	0.5A	1A
CQ02	1/16W	50V	100V	100V	<50mΩ	1A	2A
CQ03	1/10W	75V	150V	300V	<50mΩ	1A	2A
CQ05	1/8W	150V	300V	500V	<50mΩ	2A	5A
CQ06	1/4W	200V	400V	500V	<50mΩ	2A	10A
CQ07	1/2W	200V	500V	500V	<50mΩ	2A	10A
CQ10	3/4W	200V	500V	500V	<50mΩ	2A	10A
CQ12	1W	200V	500V	500V	<50mΩ	2A	10A

Characteristic

Test Item	Standard	Test Item	Standard	
Temperature Coefficient	CQ01: 1Ω≤R≤10Ω ±400ppm/° C >10Ω: ±200ppm/° C CQ02-CQ12: 1Ω≤R≤10Ω: ±200ppm/° C >10Ω: ±100ppm/° C	Resistance to Soldering Heat	±(1.0%+0.05Ω) Max	
Short Time Overload	±1%:±(1.0%+0.1Ω)Max ±5%:±(2.0%+0.1Ω)Max	Temperature Cycling	±1%: ±(0.5%+0.1Ω) Max ±5%: ±(1.0%+0.1Ω) Max	
Terminal Bending	±(1.0%+0.05Ω)Max	Biased Humidity	±1%: ±(1.0%+0.1Ω) Max ±5%: ±(3.0%+0.1Ω) Max	
Solderability	Min. 95%coverage	Load Life	±1%: ±(1.0%+0.1Ω) Max ±5%: ±(3.0%+0.1Ω) Max	
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown	Moisture Resistance	±1%: ±(0.5%+0.1Ω) Max ±5%: ±(3.0%+0.1Ω) Max	

Note: $0.1\Omega \sim 0.97\Omega$: $\pm 800 PPM/^{\circ}C$ can be supply on a case to case basis.

Load Life test condition: 35% rated power at 125°C,1000H.

Anti-sulfurized performance: H₂S 3~5ppm,50°C ±2°C,91%~93%RH,1000H;Excellent stability









IATF 16949 ISO 14001

Rev : CQ20220428-2-U

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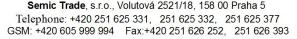
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