

**NPI – TH Resistors
SQG series _Z type
NPM series**

SBU

November 2023



Power – SQG series _Z type

Description

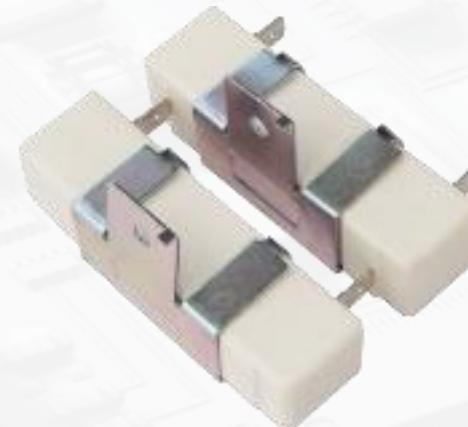
CEMENT RESISTORS , Power, AMP Contacts

Introduction

The special resistant wire wound around the high grade ceramic core, and then assemble into flameproof cement case, seal with Al_2O_3 molding compound, high Al_2O_3 components add the hardness of the cement case. Compare with commodity uses fiberglass core, ceramic core provides relatively much better performance in thermal conductivity as well as power dissipation and stability. SQG offers 2 options in material, general purpose in fiberglass core and AEC-Q200 qualified in ceramic core, which could be ordered by power code with Z.

Feature

- Mounting Bracket for chassis mounting
- AMP connection for quick connection
- Excellent surge withstanding capability
- Reduced size
- Good heat dissipation
- AEC-Q200 qualified
- RoHS compliant & halogen-free



Application

- BMS (Hybrid, EV)
- Brake resistor
- Capacitor discharge
- Power supplies
- Converters
- Welding equipment

Specification

- Series: SQG
- Power: 10W to 50W
- Tolerance: $\pm 1\%$, $\pm 5\%$
- Resistance Range : 0R39 ~ 10K

Description

MOLDING RESISTORS , Power, TO-220

Introduction

Ceramic substrate directly mounts on the heatsink, encapsulated by molding technology, enable to be mounted or screw to the board.



Feature

- Power rating up to 100W @25°C while heatsink mounted
- TO-220 molded type
- Compact size
- Molded case provides protection and easily to mount.
- Non-inductive design
- Low energy pulse loading
- RoHS compliant & halogen-free

Application

- RF power amplifier
- Switching mode power supply
- Automation control equipment
- Voltage regulator
- Snubber circuit, UPS

Specification

- Series: NPM
- Power: 20W to 100W
- Tolerance: $\pm 1\%$, $\pm 5\%$
- Resistance Range : 0R1 ~ 10K



Thank you! 謝謝你!



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