Fast Facts

EBW5216 E-Beam Welded Shunt 5216

Features:

- 15W rating at 70°C
- Values 50 and 100μΩ
- Electron-beam welded technology
- Low thermal EMF
- Low measurement inductance
- Robust copper terminals for busbar mounting
- AEC-Q200 qualified





Description:

EBW5216 is a busbar-mounted shunt resistor for high current measurements in the hundreds of amps range. This product is an electron-beam welded resistance element sandwiched between large copper terminals with optional tin plating. The series offers values of 50 and $100\mu\Omega$ at down to 1% tolerance, 150ppm/°C TCR and <1 μ V/°C thermal EMF.

Equivalent to Vishay WSBS5216, this part offers a robust shunt with the option of pressed pin terminals at the voltage sense points which permit through-hole attachment to a PCB.

With a wide temperature range from –65 to +170°C and AEC-Q200 qualification, this component is ideal for a wide range of industrial and energy management applications.

Applications:

- Welding power supply
- Motor drive
- Battery management
- Energy metering
- Process control

Benefits:

- Low measurement error frees up the designer's error budget.
- Ultra-low ohmic values reduce power loss.
- Low self-heating reduces equipment temperature and improves reliability.

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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