

Series W μ POWER™ 12 to 25 Watts Single/Dual Versatile High Power Density DC-DC Converters

Features

- Surface mount technology
- Up to 25 watts output power
- High power density
- Excellent efficiency
- Low output ripple & noise
- Single or dual outputs
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- High MTBF
- 100% burned-in and tested
- Metal case shielding
- Vacuum encapsulated potting

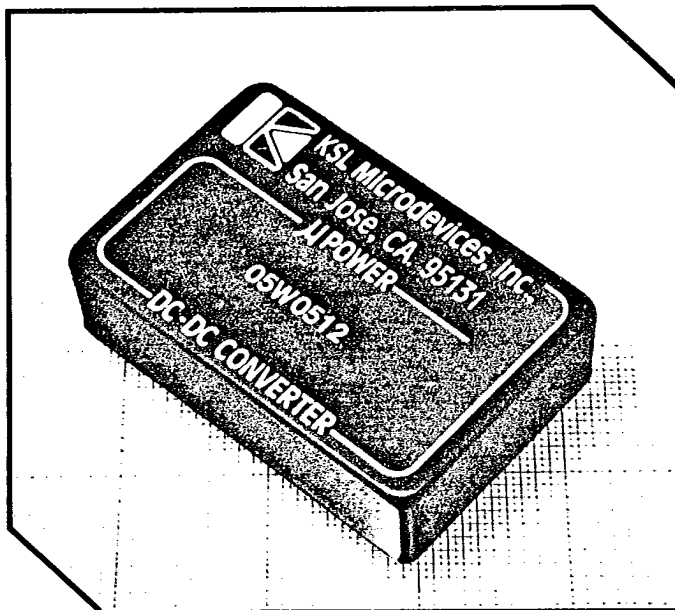
General Specifications

- Input Voltage Range: $\pm 10\%$ at nominal
- Output Voltage Tolerance: $\pm 1\%$ at nominal
- Input Reflected Ripple: 1% of V_{in} max.
- Line Regulation: $\pm 0.05\%$ for $\pm 10\%$ line change
- Load Regulation: 0.05% (10% to 100% load)
- Output Ripple & Noise: 50mV p-p
- Efficiency: 75% @ nominal voltage
- Transient Response: Less than 10 μ sec.
- MTBF: 200,000 hours
- Operating Temperature: -25°C to $+70^{\circ}\text{C}$
- Storage Temperature: -55°C to $+70^{\circ}\text{C}$
- Temperature Coefficient: 100ppm/ $^{\circ}\text{C}$
- Burn-In: 70°C for 4 hours and tested
- Long Term Stability: 0.4%/khours

Special Options

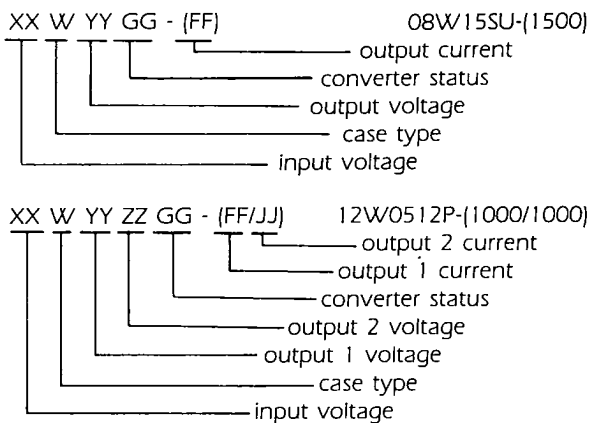
- Case: EMI/RF Continuous Shielding Package
Six-sided enclosure grounded
- Stabilization Bake: MIL-STD-883B, method 1008.2
24 hours at $+125^{\circ}\text{C}$
- Burn-In: MIL-STD-883B, method 1015.4
96 hours at $+70^{\circ}\text{C}$ case temperature
- Temperature Cycle: MIL-STD-883B, method 1010.5
 $-55^{\circ}\text{C}/+125^{\circ}\text{C}$ 10 cycles minimum
- Thermal Shock: MIL-STD-883B, method 1011.4
 $-55^{\circ}\text{C}/5$ minutes, $+125^{\circ}\text{C}/5$ minutes

*Specifications subject to change without notice



Part Number — Custom Designs

KSL μ POWER converters are used in a wide variety of special custom design applications where alternate voltages, currents, pin-outs or multiple outputs are required.



Converter Status

U: Unregulated P: Special pin-outs
R: Regulated C: Custom circuit

Applications

- Data Acquisition Systems
- Industrial Control Systems
- Automatic Test Systems
- CAD/CAM and CAE Systems
- Automation Equipment



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