

SL SERIES, 1-2 WATTS SIP PACKAGE DC-DC CONVERTER

SPECIFICATIONS: ALL SPECIFICATIONS TYPICAL AT NOMINAL LINE, FULL LOAD AND 25°C.

INPUT SPECIFICATIONS:

- * INPUT RANGE: $\pm 10\%$
- * INPUT FILTER: CAPACITOR TYPE

GENERAL SPECIFICATIONS:

- * ISOLATION VOLTAGE: 500Vdc.
- * EFFICIENCY: 50% - 75%
- * SWITCHING FREQUENCY: 25KHz min.
- * ISOLATION RESISTANCE: 10^9 Ohms.

OUTPUT SPECIFICATIONS:

- * VOLTAGE ACCURACY: $\pm 3\%$ TYPICAL
- * TEMPERATURE COEFFICIENT: $\pm 0.02\%/^{\circ}\text{C}$ max.
- * VOLTAGE STABILITY(24HR): $\pm 0.05\%$ max.
- * LINE REGULATION: $\pm 1\%$ max.
- * LOAD REGULATION: $\pm 1\%$ max.
- * RIPPLE AND NOISE (20MHz BW): 0.5-1% P-P max.
- * SHORT CIRCUIT PROTECTION: 10SEC MAX.

ENVIRONMENTAL SPECIFICATIONS:

- * OPERATING TEMPERATURE: -25°C TO $+71^{\circ}\text{C}$
- * STORAGE TEMPERATURE: -55°C TO 105°C
- * COOLING: FREE AIR CONVECTION.
- * DERATING: NONE.
- * HUMIDITY NON-CONDENSING: 20-95%RH.

PHYSICAL SPECIFICATIONS:

- * CASE MATERIAL: NON-CONDUCTIVE PLASTIC.
- * WEIGHT: 0.30Z (8grams)