

EL/EM SERIES DC-DC CONVERTER

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

INPUT SPECIFICATIONS:

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

GENERAL SPECIFICATIONS:

- * ISOLATION VOLTAGE: 500Vdc.
- * EFFICIENCY: UNREGULATED 70-82%.. REGULATED: 50% - 75%
- * SWITCHING FREQUENCY: 25KHz min.
- * ISOLATION RESISTANCE: 1000M Ohms.

OUTPUT SPECIFICATIONS:

- * VOLTAGE ACCURACY: $\pm 3\%$ TYPICAL. (REGULATED)
- * TEMPERATURE COEFFICIENT: $\pm 0.05\%/^{\circ}\text{C}$ max.
- * VOLTAGE STABILITY (24HR): $\pm 0.05\%$ max.
- * LINE REGULATION: UNREGULATED: $\pm 5-10\%$ max.
REGULATED $\pm 1\%$ max.
- * LOAD REGULATION: UNREGULATED $\pm 5 - 10\%$ max
REGULATED: $\pm 1\%$ 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 BLACK PLASTIC.
- * WEIGHT: 0.5OZ (14.2grams)