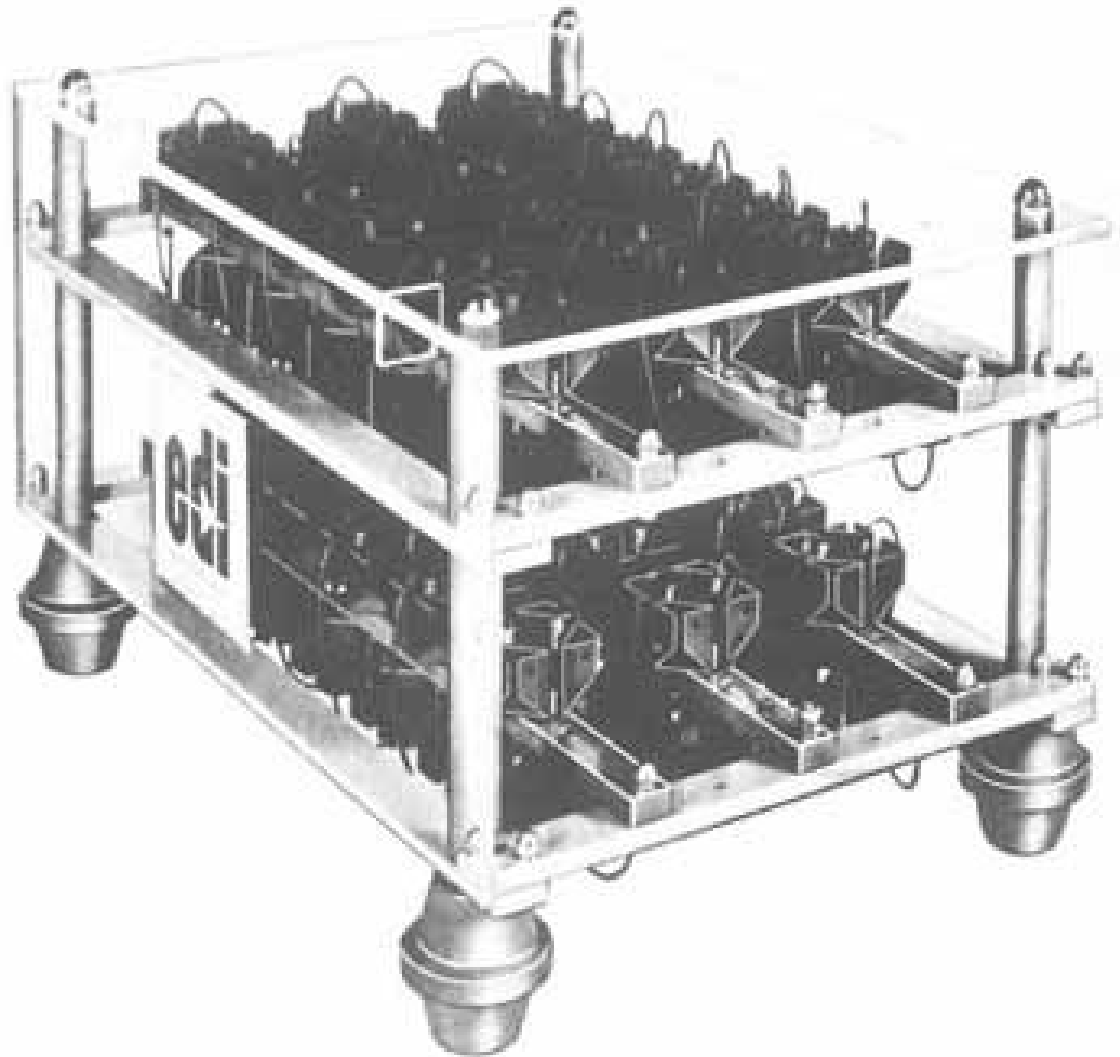




TMB

25 AMPERES
3 Ø BRIDGE ASSEMBLIES
14, 24, 32 KV/LEG



THE TMB 3-PHASE BRIDGE ASSEMBLY

These newly developed bridge assemblies are rated for 3-phase operation at 14, 24, or 32 KV per leg at 25 amperes with ambient temperature of 35 °C and 700 fpm cooling air.

The units were designed and developed for use in an induction/dielectric heating system, and since then has been applied successfully in heat sealing equipment, cavitation ultrasonic machining systems, and various 3-phase, single phase, and half-wave power supplies.

The units can be adapted to fit many other high voltage, high current applications. Electrical characteristics can be altered to provide higher or lower current, higher surge capability, other voltages, and faster recovery time to fit specific applications.

ELECTRICAL CHARACTERISTICS @ 25 °C (PER LEG)

| EDI TYPE NUMBER | TMB14 | TMB24 | TMB32 | |
|---|--------------------|-------|-------|------|
| Peak Reverse Voltage, PRV | 14 | 24 | 32 | KV |
| Max. Fwd. Voltage $I_F = 3.0A$ V_F | 14 | 24 | 32 | Volt |
| Max. Rev. Current @ PRV and 25°C, I_R | 10 | 10 | 10 | μA |
| Max. Rev. Current @ PRV and 100°C, I_R | 100 | 100 | 100 | μA |
| Max. Peak Surge Current, $I_{FSM}(8.3ms)$ | 300 | 300 | 300 | Amp |
| Temperature Range | -25 °C to + 125 °C | | | |

Figure 1 PHYSICAL DIMENSIONS STANDARD MODEL
Plastic cover plate is optional

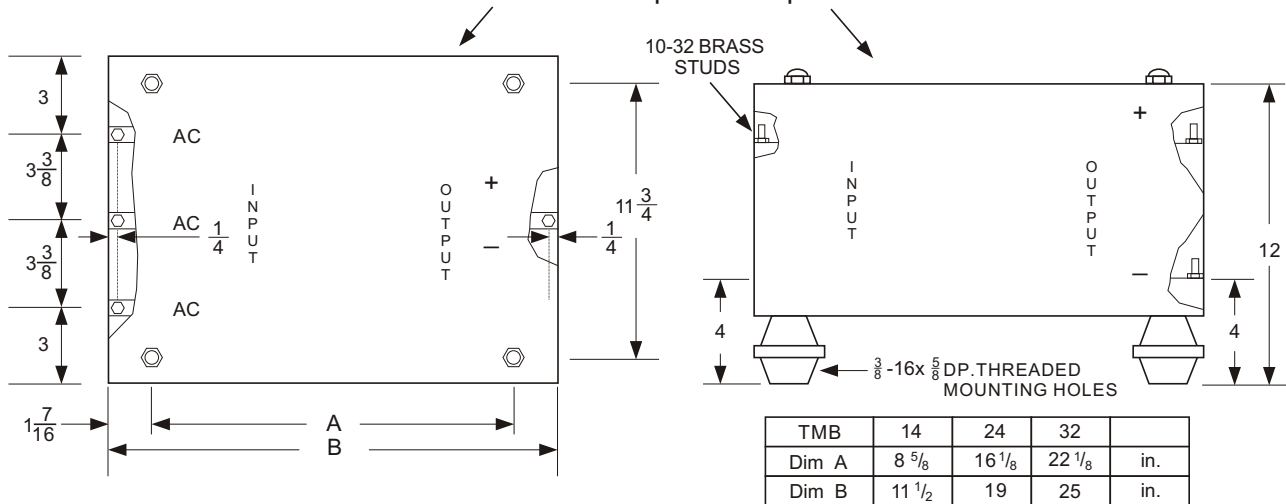
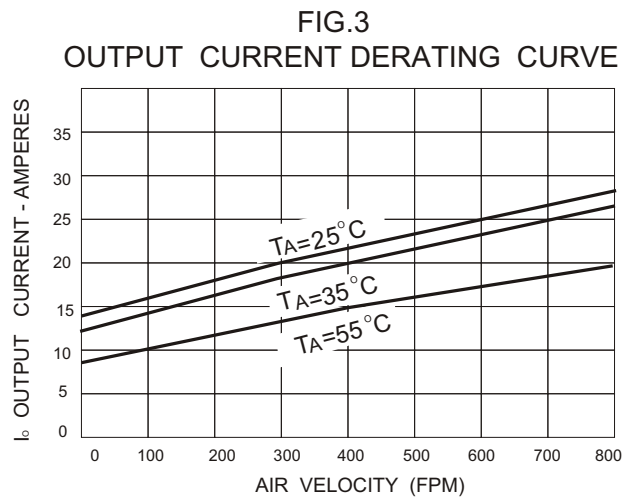
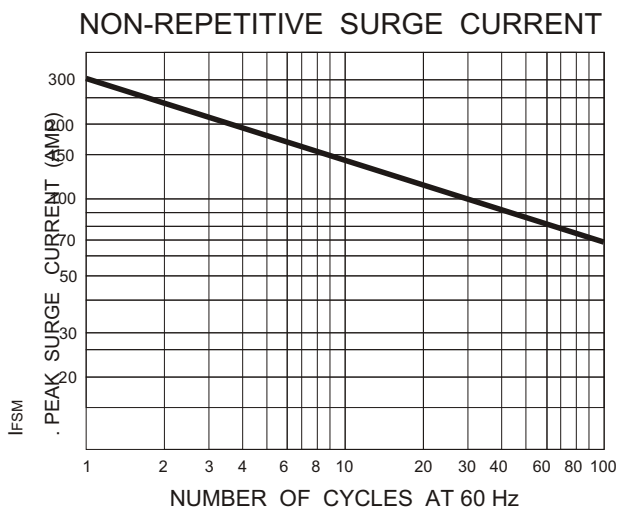


FIG.2



EDI reserves the right to change these specifications at any time without notice.

ELECTRONIC DEVICES, INC. DESIGNERS AND MANUFACTURERS OF SOLID STATE DEVICES SINCE 1951.

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