TYPE 6303
HIGH-VACUUM CLIPPER DIODE-RECTIFIER

The UNITED 6303 is designed to withstand the severe shock and vibration conditions encountered in military electronic equipment while reliably delivering the high peak power for which it is rated. The BONDED THORIA FILAMENT enables the tube to withstand a minimum of 300 g shock and gives the emission reserve necessary to guarantee long life when the 6303 is used at maximum ratings.

In addition to eliminating the thoriated tungsten filament, a prime source of catastrophic failures in high power diodes, the 6303 features a wide circumference Kovar top seal which reduces seal temperature, and a zirconium coated graphite anode which greatly improves the dissipation characteristics.

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ELECTRICAL DATA

RECTIFIER RATINGS

- Filament Voltage --- Vac: 11.5 ± 2.5%
- Filament Current — Aac: 15.25 ± 1.00
- Maximum Peak Inverse Voltage: 40 kV
- Maximum Peak Plate Current: 2.5 a
- Maximum Average Plate Current: 700 mA dc
- Anode Dissipation: 550 W

CLIPPER DIODE RATINGS

- Filament Voltage --- Vac: 12.2 ± 2.5%
- Filament Current — Aac: 15.5 ± 1.00
- Maximum Peak Inverse Voltage: 33 kV
- Maximum Peak Plate Current: 50 a
- Root Mean Square Current: 1.25 Aac
- Anode Dissipation: 550 W

MECHANICAL DATA

- DIMENSIONS: Per Drawing A4-18
- BASE: 10 oz.
- NET WEIGHT: 300 g
- SHOCK RATING: 10 g
- VIBRATION RATING: