



ELECTRONIC TUBE REFERENCE

MI507

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Russian pulsed microwave magnetron, 9430 MHz, 7 kW output power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 0 Magnetron*No fixed ratings recorded.*

Cathode Type: Oxide, Indirect Heating: Envelope: Metal: Mass, Kg: 1.2: Cooling Method: Natural: Frequency Range: 9430: Frequency Range Minimum: 9400: Frequency Range Maximum: 9460: Output Power: 7kW: Frequency Pulling, Mhz: 15: Tuning Transconductance: 2MHz/A: Filament Voltage, V: 6.3: Filament Current, A: 1.8: Filament Current, A Minimum: 1.6: Filament Current, A Maximum: 1.9: Anode Voltage, Kv: 6: Anode Voltage, Kv Minimum: 5.5: Anode Voltage, Kv Maximum: 6.5: External Loading Agreement Coefficient: 1.3: External Loading Agreement Coefficient Minimum: 1.1: External Loading Agreement Coefficient Maximum: 1.5: Pulse Duration, Us: 0.1: Space Factor Or Pulse Repeating Frequency: 0.0004

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