



ELECTRONIC TUBE REFERENCE

MI316

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Russian pulsed microwave magnetron, 9580-9610 MHz, output power 250 kW.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 4 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: Indirect Heating: Envelope: Metal-Ceramic: Mass, Kg: 13.5: Cooling Method: Forced Air: Frequency Range: 9595MHz: Frequency Range Minimum: 9580MHz: Frequency Range Maximum: 9610MHz: Output Power: 250kW: Frequency Pulling, Mhz: 12: Tuning Transconductance: 1MHz/A: Filament Voltage, V: 12.6: Filament Current, A: 4: Filament Current, A Minimum: 3.5: Filament Current, A Maximum: 4.5: Anode Voltage, Kv: 23: Anode Voltage, Kv Minimum: 21: Anode Voltage, Kv Maximum: 25: External Loading Agreement Coefficient: 1.2: External Loading Agreement Coefficient Minimum: 1.1: External Loading Agreement Coefficient Maximum: 1.3: Pulse Duration, Us: 1: Space Factor Or Pulse Repeating Frequency: 0.0005

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