

ELECTRONIC TUBE REFERENCE

7182

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Water- and forced-air-cooled multi-resonator pulse magnetron operating approximately 2.75-2.86 GHz, rated for multi-megawatt peak input in high-power microwave service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12 V / 15 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Magnetron	
WARM-UP TIME	180 s

Water- and forced-air-cooled multi-resonator pulse magnetron rated for 6 MW peak input and fixed-frequency operation from 2750 to 2860 Mc/s.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 ENGLISH ELECTRIC VALVE

Section 1 · Magnetron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PeakInputPower	6 MW	Pulse

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrequencyMinimum	2750 MHz	—
FrequencyMaximum	2860 MHz	—