



ELECTRONIC TUBE REFERENCE

21SP40

Specialized - Magnetron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
MAGNETRON

Low-power magnetron oscillator designed for continuous or keyed microwave operation over approximately 1.8-2.1 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.5 V / 3.8 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Magnetron	
MAXIMUM PLATE VOLTAGE	950 V
<i>Published ratings and characteristics promoted from the source where directly stated.</i>	

Low-power magnetron oscillator for continuous or keyed operation over approximately 1800 to 2100 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Magnetron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	1.5 V	Published nominal value
Heater or filament current	3.8 A	Published nominal value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating frequency	1800–2100 MHz	Magnetron oscillator
Pulse anode current maximum	140 mA	Keyed operation