



ELECTRONIC TUBE REFERENCE

6356

Specialized - Uncategorized electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
OTHER

Gas-discharge SHF noise source for microwave measurements in standard waveguides. It provides broadband reference noise for receiver, test, and calibration work across centimeter wavelengths.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6355	BASE PINS	—
NOMINAL HEATER	6.3 V / 140 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Other

No fixed ratings recorded.

Published ratings and characteristics promoted where applicable; remaining useful published values retained as parameters.

This tube is designed for use as a noise source in super high frequency (SHF) measurements. It is constructed for use with the RG-49/U and RG-50/U waveguides to provide noise in the 3.7 - 7.6 cm waveband. When used in the standard mount assembly, it functions as an untuned termination over the entire recommended transmission bandwidth of the guide. The run-start switch shown in the typical circuit provides the high voltage surge or spike necessary to initiate the discharge. In the start position, current passes through the filament at the cathode end of the tube preheating the filament and assisting in starting the discharge. As the switch is released to the run position, a high surge voltage appears momentarily across the tube, caused by the collapse of the magnetic field in choke "L". This high voltage initiates the discharge in the tube which is then sustained by the power supply voltage and stabilized by the resistance R2. External power is no longer supplied to the filament once the discharge is established. Filament temperature is maintained by the tube current and is evidenced by a hot spot on the filament structure. OPERATING CHARACTERISTICS The use of pure inert g

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Other

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target voltage maximum	275 V	TuningIndicator
Target voltage	250 V	TuningIndicator
Focus electrode 1 voltage minimum	120 V	TuningIndicator
Focus electrode 1 voltage maximum	190 V	TuningIndicator
Focus electrode 2 voltage minimum	120 V	TuningIndicator
Focus electrode 2 voltage maximum	190 V	TuningIndicator

TUBE TINKER

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