

ELECTRONIC TUBE REFERENCE

1S22

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MECHANICALVACUUMSWITCH

High-vacuum electromechanical switching tube for rapid interruption of high-voltage, high-current circuits. It performs physical vacuum switching rather than gas-discharge or thermionic control.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	0
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 MechanicalVacuumSwitch
No fixed ratings recorded.
Vacuum-switch electrical data preserved in parameter table.

High-vacuum electromechanical switching tube for rapid interruption of high voltage and high current circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · MechanicalVacuumSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumContinuousCurrentRMS	20 A	—
MaximumInitialContactResistance	0.045 ohm	—
ExternalHoldoffVoltage	10000 V	Altitude27000ft
InterruptingCurrent	10 A	1000 operations at 10000 V RMS, 60 Hz resistive load

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · MechanicalVacuumSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum continuous current RMS	20 A	SwitchService
Maximum initial contact resistance	0.05 ohm	SwitchService
Maximum actuating force	1000 g	Mechanical

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Switch type	Vacuum switch	—