

High-Q integral-cavity tunable transmit-receive gas switching tube for high-definition radar, operating across approximately 33.815-35.905 GHz for microwave transmitter-receiver protection and duplexing.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Microwave TR Switch

No fixed ratings recorded.

Published maximum ratings and characteristics promoted semantically from the approved source.

High-Q integral-cavity tunable transmit-receive gas switching tube for high-definition radar, operating from 33.815 to 35.905 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · MicrowaveTRSwitch

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Minimum	33815 MHz	—
Frequency Maximum	35905 MHz	—
Recovery Time	4 us	-3 dB

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transmitter Peak Power	8 kW	Recovery-time test