

Medium-power K-band periodic-permanent-magnet-focused traveling-wave tube for microwave power amplification.

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

SECTION1 TravelingWave

No fixed ratings recorded.

RF performance values are retained in TUBE_SECTION_PARAMETER from the supplied GE traveling-wave-tube family sheet.

Medium-power K-band PPM-focused traveling-wave tube. The supplied General Electric data specifies a 11-20 GHz operating range, minimum small-signal gain of 30 dB, and minimum saturated output of 1 W.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Traveling Wave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingFrequencyMinimum	11 GHz	—
OperatingFrequencyMaximum	20 GHz	—
MinimumSmallSignalGain	30 dB	—
MinimumSaturatedPowerOutput	1 W	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumNoiseFigure	3 dB	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker