

Traveling-Wave Tubes

Technical Information

- LOW NOISE
- C-BAND
- PPM FOCUSING

RF PERFORMANCE

Tube Type	Frequency Range (Gc)	Maximum Noise Figure (db)	Minimum Small Signal Gain (db)	Minimum Saturation Power Output (mw)
ZM-3263	4.0 - 8.0	15	30	10

FEATURES

low noise
broad bandwidth
PPM focusing
metal-ceramic construction
military environments
extremely light weight
crystal mixer protection

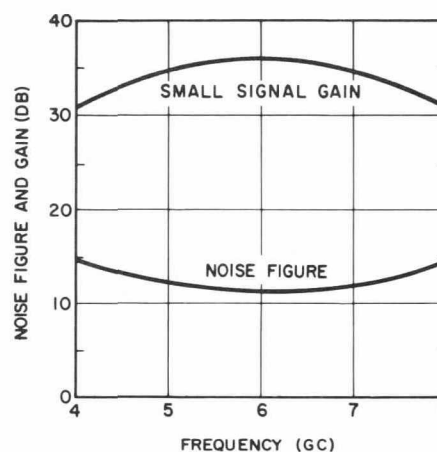
APPLICATIONS

radar
ecm
instrumentation
communications
radiometry

MECHANICAL AND MISCELLANEOUS

VSWR, max	
Input.....	2.5
Output	2.5
Mounting position.....	Any
Weight, lb	1.25
Overall length, in.	9.45
Cooling	Convection
Connectors	
RF input	TNC*
RF output	TNC*
DC	Winch'r.
	M10P-LS
	or equiv.
Collector	Winch'r.
	PM1P-LS

TYPICAL CHARACTERISTICS



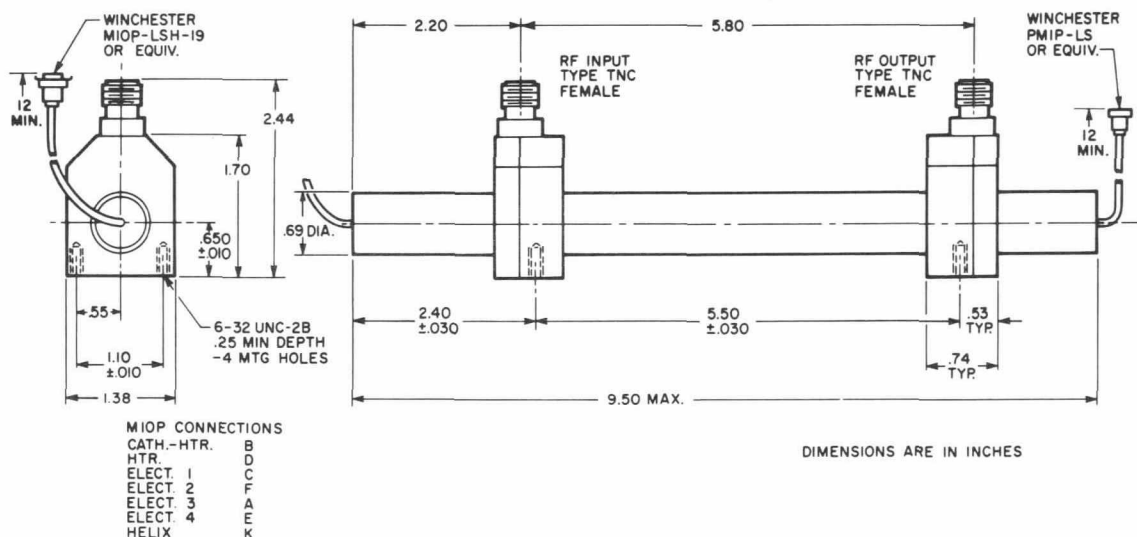
OPERATING CONDITIONS[†]

Htr. vac or vdc.....	6.3
Htr. amp (max)	0.35
Elect. 1, vdc.....	0 to -50
Elect. 2, vdc.....	0 to 100
Elect. 3, vdc.....	50 to 200
Elect. 4, vdc.....	100 to 670
Helix, vdc	600 to 700
Helix, μ a (max.)	200
Collector, vdc.....	600 to 850
Beam, μ a (max.)	1000

ENVIRONMENTAL

Shock.....	50 G, 11 ms (energized)
Vibration	15 G, 55 to 3000 cps (operating)
Temp. Ambient.....	-55 to +85°C (operating)
Altitude.....	100,000 ft (operating)
Acoustic Noise	135 db, 25 to 12,000 cps (operating)

OUTLINE



NOTES

- * This tube can be furnished with Omni Spectra OSM (or equiv.) r-f connectors.
- † All voltages may be isolated from ground; i.e., it is not necessary to operate the cathode, helix, collector, or any other electrode at ground potential. Voltages shown are measured with respect to cathode. For minimum noise and optimum gain characteristics, voltages should be adjusted to values specified by instructions accompanying each tube.

These data are subject to change without notice.