



ELECTRON TUBE DEPARTMENT ■ COMPONENTS DIVISION
INTERNATIONAL TELEPHONE AND TELEGRAPH CORPORATION, CLIFTON, NEW JERSEY

**F-2502
TRAVELING
WAVE TUBE**

T E N T A T I V E

DESCRIPTION:

The F-2502 is a cathode-pulsed traveling wave amplifier capable of providing 1000 watts peak output in the frequency band of 4000 - 8000 mc. The tube is of all-metal/ceramic structure and is contained in a periodic permanent magnet focusing mount. The fundamental parameters of this tube are listed below:

Frequency	2000 - 4000	mc
Power Output	1	kw min.
Gain (Power)	30	db. min.
Beam Voltage	8000	Volts
Cathode Current	1.5	Ampere max.
Pulse Width	50	usec. max.
Duty	.02	(.05 objective)
Heater Voltage	6.3	V
Heater Current	3.0	max.
Focusing		PPM
Weight	7	lbs.
Cooling		Forced Air
Overall Length	17	Inches, approx.

Additional information for specific applications can be obtained from the

Electron Tube Applications Section
ITT Electron Tube Division
Post Office Box 104
Clifton, New Jersey