

UHF TETRODE

1448

OPERATING FREQUENCY:

1000MHz

PEAK-OF-SYNC OUTPUT POWER IN COMBINED AMPLIFICATION:

1 KW

GENERAL CHARACTERISTICS

Cathode	Thoriated tungsten
Heating	Direct
Filament voltage	5.0 ± 2%V
Filament current	65A
Interelectrode capacitances(grounded cathode)	
Input	43pF
Output	9pF
Transfer	0.07pF
Transconductance	50mA/V
Internal amplification factor	5
Operating position	Vertical, anode up or down
Weight	3.6kg
Dimensions	See page 95
Anode cooling	Forced air
Air flow, min	7000 L/min
Temperature at the air outlet, max.	100°C
Temperature at the seal max.	250°C
Temperature at the terminal, max	150°C
Temperature on tube surface, max	250°C



TYPICAL OPERATION

Frequency	780 MHz
Anode voltage	3.5 KV
Screen-grid voltage	500 V
Anode current (with signal)	1.8 A
Gain	13 dB
Peak-of-sync output power (in combined amplification)	1 kW
Intermodulation distortion	dB

MAXIMUM RATINGS

Frequency	1000MHz
Anode voltage	5.2V
Anode voltage	3.5V
Control-grid voltage	-250V
Screen-grid voltage	600
Anode dissipation	7kW
Control-grid dissipation	5W
Screen -grid dissipation	75W