WVS-TECHNOLOGY

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AM Tetrode 1460

OPERATING FREQUENCY: **30 MHz**

MAX, OUTPUT POWER **650 KW IN LW AND MW, AND 550 KW IN SW**

GENERAL CHARACTERISTICS	
Cathode	Thoriated tungsten
Heating	Direct
Filament voltage	23±2% V
Filament current	500 A
Capacitances(cathode earthed)	
Input	1195 pF
Output	100.6 pF
Transfer	6.3 pF
Transconductance (Ia=35A, Ug2=1kV)	500 mA/V
Internal amplification factor	4.4
Operating position	Vertical, anode up
Weight	74 kg
Dimensions	See page 95
Anode cooling	Vapour cooled
Water flow, min.	200L/min
Temperature at the water outlet, max.	100℃
Pressure at the water inlet, max.	5×105 Pa
Temperature on tube, max.	250℃

MAXIMUM RATINGS	
Frequency	30 MHz
Anode voltage	15kV
Screen-grid voltage	1.5kV
Control-grid voltage	-800 V
Anode dissipation	500 kW
Screen-grid dissipation	8kW
Control-grid dissipation	3 kW

TYPICAL OPERATION (CLASS C)			
Example		1	2
Frequency	[MHz]	⩽30	⩽30
Output power	[KW]	550	550
Anode DC voltage	[KV]	12.5	14
Screen-grid DC voltage	[KV]	1	1
Control-grid DC voltage	[V]	-600	-550
Anode DC current	[A]	54	47
Screen-grid DC current	[A]	5	4.2
Control-grid DC current	[A]	5	4