



TWTA, 1.0-2.5GHz,
 SC RF Output Connector, 500 W,CW
 RTWTA-1.0-2.5-SC-500W-CW-w9



ELECTRICAL		ENVIRONMENTAL	
Frequency Range:	1-2.5 GHz	Temperature:	0°C to +50°C
Output power Psat.	57 dBm typical (nom.)	Operating	(derate 10°C per 10,000 feet altitude)
Input power	0 dBm for 500W out	Storage:	-30°C to +60°C
Input VSWR	2:1 max.		
Duty	CW (100%)	Humidity:	0-95% non condensing
Spurious for 0-250Hz	-55 dBc max.	Altitude	To 10,000 feet ASL
Spurious for >250Hz	-60 dBc max.		
Output VSWR protection			
		MONITOR & CONTROL	
Output Power sample	-40 dBc	Computer Interface:	24 pin IEEE-488 (GPIB) rear panel IEEE std 488.1-1987(optional) Ethernet RJ45 rear panel (optional) RS 232 DB9F rear panel
Primary Power: Nema LS-20 (3 wire)		Conditions monitored and interlocked.	
Voltage:	220V ±10%, single phase	VSWR	
Primary Power Consumption	TBD	Body Voltage	xx.xx KV
Frequency:	60 Hz	Body current	xx.xx mA
Primary Power Input	NEMA L5-20 (3 wire)	Collector Voltage	xx.xx KV
		Collector current	xx.xx mA
MECHANICAL		Heater Voltage	x.xx V
Dimensions:	19" x 8.75" x 28" deep (Rack)	Heater Current	x.xx A
Weight:	100 Pounds typical	Grid bias voltage	xxx.xx V
Finish	Front: Black Anodized Chassis: Gold Alodine	Grid Pulse amplitude	xxx.xx V
		Lid Access interlock	Fault
RF Connectors:	Front panel: Std RETMA 3/16 inch thick	Over temperature	Fault
Input:	Type-N (f) on rear panel		
Output:	Type "SC"		
RF Sample Ports	Type "N" (f) on front panel		
Front Panel			
Front Panel switches	ON/STANDBY/OPERATE/RESET		
Status monitor	WARMUP/STDBY/OPERATE/RESET		

RS 232 interface allows remote operation, monitor, control; and adjustment. Any fault condition latched the information. Windows compatible MS GUI is supplied. The following Parameters. have high and low limits that are factory adjustable, Cathode Voltage, Body Current, Heater Voltage, Heater current, Grid bias voltage, Self contained forced air cooling.