



RF Generator T857-1 T857-2C T857-3

◆ FEATURES

- SOLID STATE
- FORCED AIR COOLING BY POWERFUL FAN
- ADVANCED DESIGN WITH RIGID RELIABILITY
- DURABLE DESIGN AGAINST THE HIGH REFLECTED POWER
- LINEARIZED POWER METER AND POWER MONITORING OUTPUT
- LINEAR OUT-PUT POWER CONTROL

◆ MAIN APPLICATIONS

- PLASMA ETCHING
- RIE
- PLASMA CVD
- RF SPUTTERING
- RF POWER SUPPLY FOR THE BIAS
- OTHER VARIOUS PLASMA PROCESSING

◆ GENERAL

T857 series are high performance solid state RF power generators. This series are available in various output power range from 100W to 10kW, and are suitable for various plasma processing such as plasma etching, RIE, plasma CVD and RF sputtering.

The output impedance is nominal 50 Ω. The operations in conditions such as wide range-load and short/open circuits are available due to various protective circuit.

T857 series presents to operate by local/remote control. The operations such as 'Power On/Off-Switching' 'Output Power-Controlling' 'Output/Reflected Power-Monitoring' and 'Abnormal Function-Detecting' are available. In addition to high quality design, T857 series allows long duration of excellent high reliable operation by efficient heat dispersion with the high power fans, and the outstanding air cooling mechanism.

As the options, the slide-type mounts and the manual remote controller are available to install easily. The maintenance process could be easier by using this slide-type mounts. Using together with automatic tuning unit 102Y-x for T857 series, full automatic operation is making it possible.



T857-1



T857-2C



T857-3

◆ SPECIFICATIONS

MODEL	T857-1	T857-2	T857-3
Frequency	13.56 MHz ± 1 kHz		
Output Power	0~300W	0~500W	0~1kW
Power Stability	± 1 %		± 1 %, When Power Voltage ± 5 %
Power Control	0~5V DC. Linear Control, Internal or External		
Control Linearity	± 2 % / 30~300 W	± 2 % / 50~550 W	± 2 % / 100 W ~ 1 kW
Output Impedance	50 Ω (Nominal)		
Power Requirements	90~250 VAC Single Phase 50~60 Hz		200 VAC Single Phase 50~60 Hz
	600 W Max.	1.5 kW Max.	3 kW Max.
Harmonic Distortion	Less than -45 dB		
Operating Temperature	-20 ~ +50 °C, -20 ~ +30 °C / Continuous Operation		
Cooling System	Forced Air Cooling		
Dimension (H x W x D mm)	134 x 358 x 270	162 x 402 x 364	200 x 480 x 497
Weight	7 kg	11 kg	42 kg