



PSSM-5M30M-300

300W CW SS RF MODULE

Solid State Power RF Amplifier

The PSSM-5M30M-300 is a Solid State 300W (CW) RF Module which covers frequency range from 5MHz to 30MHz. This amplifier can achieve high efficiency operation with proven reliability as is designed with the robust engineering and employment of the most advanced devices and components. The RF Module comes with 1 year warranty.

Parameter	Specification
Electrical	
Frequency Range	5-30MHz
Output Power	300W CW, 150W @ P1dB
Mute control	TTL, H=disable; L=Enable
Gain @ rated power	20dB min.
Load Mismatch	3:1 max.
Input Return Loss	15dB typical
RF Input / Output Connectors	Type SMA Female
Base plate Temp	+60°C max.
Spurious	-50dBc
Harmonics	2 nd , -20dBc Typical @ P1dB 3 rd , -12dBc Typical @ P1dB
Prime Power	48VDC
Power Consumption	650 Watts
Mechanical	
Configuration	RF-Module 3.5"W x 6"L x 3.5"H
Cooling System	Required Heat-Sink
Shock	MIL-STD-810C, method 516.2
Vibration	MIL-STD-810C, method 514.2
Temperature	0° to 40°C
Non-operating temp	0° to 60°C
Humidity	95% without condensation
Altitude	5, 000 feet

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