

# **SS20T6000M | 20~6000MHz**

## Amplifier General Description

This high power amplifier system covers the frequency range from 20 to 6000MHz. This utilizes LDMOS & GaN devices that provide high gain and excellent output power performance. With exceptional performance, long term reliability and high efficiency are available by using this application.



### ELECTRICAL SPECIFICATIONS @ 220VAC, 25°C, 50Ω System

Parameter	Symbol	Specifications	Unit
Operating Frequency	BW	20 ~ 6000	MHz
Power Output CW	P <sub>SAT</sub>	500 / 500 / 250 / 35 Min.	Watt
Input Power Range	P <sub>IN</sub>	0 Typ.	dBm
Gain Adjustment Range	VVA	20 Typ.	dB
Input Return Loss	S <sub>11</sub>	-10 Typ.	dB
Noise Figure @ maximum gain	NF	10 Typ.	dB
Third Order Intermodulation 2-Tone @ 48dBm/Tone, 1MHz Spacing	IM3	-20 Typ.	dBc
Harmonics @ P <sub>OUT</sub> (without Harmonic Suppression Filters)	2ND	-20 Max.	dBc
	3RD	-10 Max.	
Spurious Signals	Spur	-60 Max.	dBc
Operating Voltage –(1-phase)	VAC	210 ~ 230	Volt