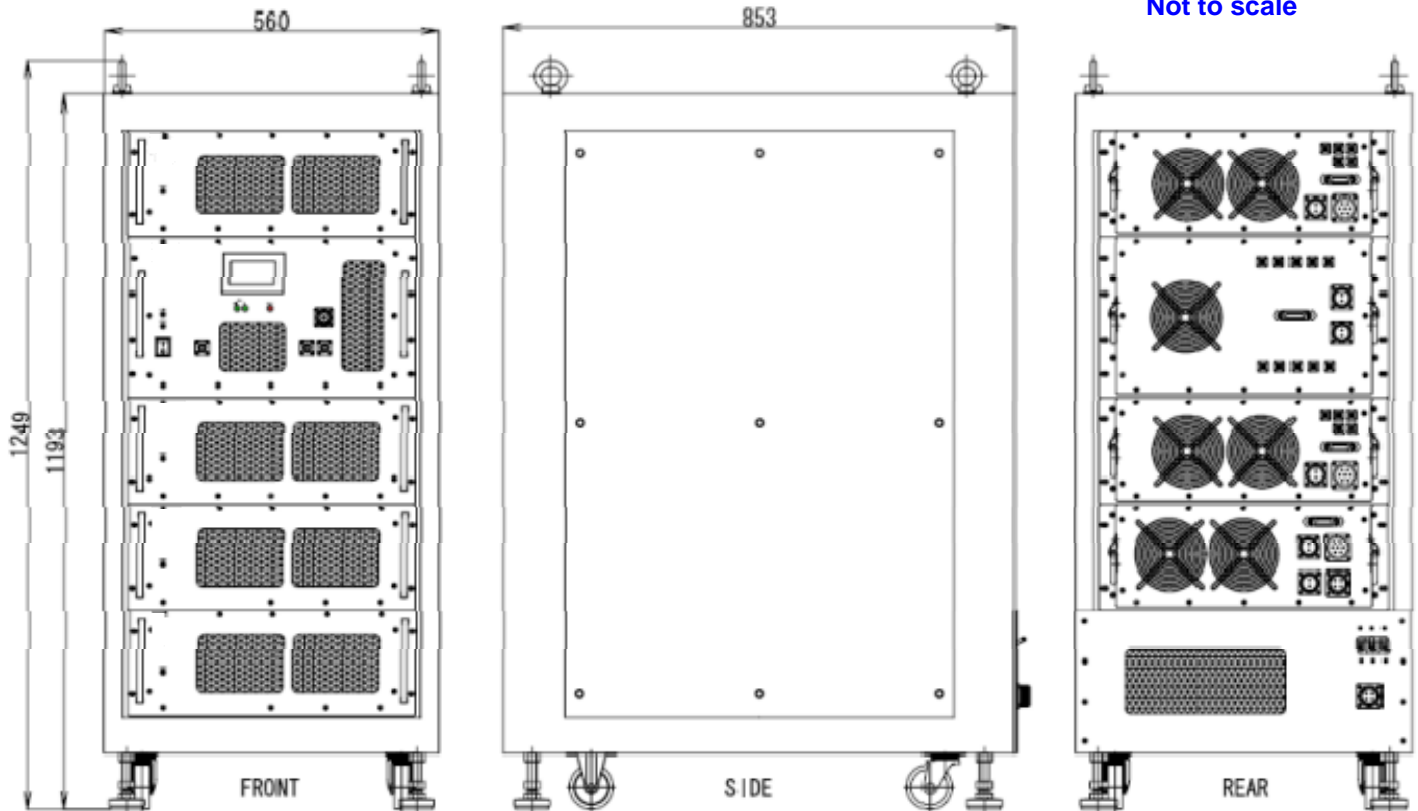


Solid State Power Amplifier, 80-100MHz, 63dBm Gain, Female Connectors N Input 7/16 Output, 2kilo Watts PSat

Wide Band

Units: mm
Not to scale



Order Examples: RAMP-80-100M-63d-Nf-7/16f-2kW-PSat-k5

Description: (SSPA Amplifier, 80-100MHz, Female Connectors N Input 7/16 Output, 2kWatt, PSat)

Specifications	Option 1 Wide Band	Option 2 Narrow Band	Units
Frequency Range	80-100	89-91	MHz
Band Width	20	2	MHz
Input/Output Impedance	Nominal 50		Ω
Rated Output Power	2		kW(min) @P-sat, CW
In-band Gain	+63.0		dB(min) @Po=2kW
In-band Deviation	± 1.5	± 0.5	dB(max) @Po=2kW
Operation Mode Class –	AB		
Input Level	0		dBm@standard input
Maximum Input Level	+2d		Bm(max.)
Harmonics	-40	-30	dBc(max) @ Po=2kW
Spurious	-60		dBc(max) @ Po=2kW
Input VSWR	1.5		(max)

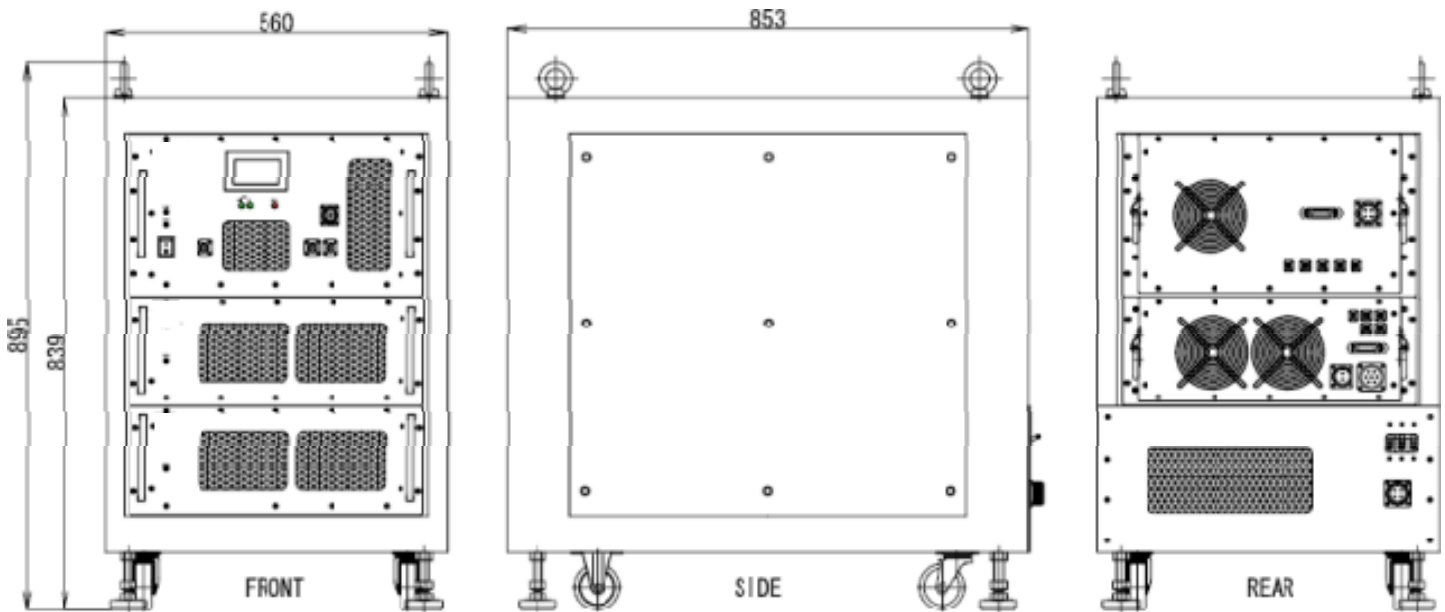
Solid State Power Amplifier, 80-100MHz, 63dBm Gain, Female Connectors N Input 7/16 Output, 2kilo Watts PSat

Specifications	Option 1 Wide Band	Option 2 Narrow Band	Units
Output VSWR	2.0		(max)
Input/Output Connectors			
RF Input	N-Female		
RF Output	7/16" - Female		
Mon. Output	N-Female (FWD, REF Coupling 63dB +/- 1dB)		
Power Supply	N/MS3102A22-22P		Supplied
Power Supply Voltage	AC220V/ 3Φ, 47 ~ 63Hz		
Consumption Power	10	7 @Po=2kW	kW (typ)
Environmental			
Operation Temperature	0 ~ +35		°C
Storage Temperature	-15 ~ +55		°C
Humidity	15 ~ 85		%@+25°C (no dew drop)
Cooling Method	Forced Air Cooling		
System Rack	(EIA 22U)	(EIA 14U)	19"
Dimensions	560x853x1249	560x853x895	WxDxH (mm)
Weight	300	200	kg (Approx.) / Estimated, N/W
Protection Circuit			
(1) Temperature Protection Circuit: If the surface temperature of Heat-Sink used for Final stage amplifier exceeds + 65°C (Nominal), Power Supply Switch is automatically turned off.			
(2) Power Supply Protection Circuit: At the time of Voltage-Drop, Stop, Over-Voltage, Over-Current, Activation of Temperature Protection, or Stop of Cooling Fans of Switching Power Supply inside Power Supply Unit, Power Supply Switch is automatically turned off.			
(3) Excessive Output Power Protection Circuit If forward power exceeds 110%(Opt 1) or 105%(Opt 2) of output power, Main Power Supply is turned off.			
(4) Excessive Reflection Power Protection Circuit If reflection power exceeds 60%(Opt 1) or 30% (Opt 2) of output power, Main Power Supply is turned off.			
Alarm Indication			
(1) Temperature Alarm (TEMP. ALM)			
(2) Power Supply Alarm (P.S. ALM)			
(3) Excessive Forward Power Alarm (FWD ALM)			
(4) Excessive Reflection Power Alarm (REF ALM)			
Note			
<ul style="list-style-type: none"> • System Rack is included • Forward / Reflection Power is displayed on LCD Panel. Accuracy about +/-15% 			

Solid State Power Amplifier, 80-100MHz, 63dBm Gain, Female Connectors N Input 7/16 Output, 2kilo Watts PSat

Narrow Band

Units: mm
Not to scale



Order Examples: RAMP-89-91M-63d-Nf-7/16f-2kW-PSat-k5

Description: (SSPA Amplifier, 89-91MHz, Female Connectors N Input 7/16 Output, 2kWatt, PSat)
