



Solid State Power Amplifier

9.5-10.5GHz, 100 Watts Power
(cw and pulse)



Order Examples: RAMP-9.5-10.5-Sf-Nf-100W-cw-d16

Description: (Solid State Power Amplifier, 9.5-10.5GHz), SMA Female to N Female Connector, 100 Watts cw Pulsed)

Specifications	RF Power Amplifier	Units
Frequency	9.5-10.5	GHz
Max Output Power	100W (Actual Power Out up to 120W) with output level adjustable down to 80 Watts	
In Band Gain	Adjustable from 10-20dB	
	<ul style="list-style-type: none"> The amplifier is designed to run at full power with pulse duty cycle up to 4%. Continuous output at a lower level. The amplifier consists of 4 modules, each capable of 35 watts with power dividers at the input and power combining at the output. The amplifiers will be mounted on a heat sink with forced air cooling. DC monitoring of RF Output level provided for each amplifier 	
Input connector	SMA Female	
Output connector	Type N Female	
Internal DC Power Supply requirements	12V _{DC} @ 80 amps V _{DC}	
Enclosure L x W x D	762 X 533 X 800	mm
	30 x 20.98 x 31.49	Inches
External AC Voltage (option)	180-264 V _{AC} at 50-60 Hertz	
External DC Voltage (option)	200-370 V _{DC}	
M&C Interface:	Ethernet RJ45 and RS485 (optional) note1	
LCD Readout:	RF Output Power, Module Temperature, DC Supply Voltage, Alarms for Overvoltage, Over Temperature	
Note 1: If M&C is Ethernet only, it is 2 way, if RS485 option is selected, Ethernet becomes read only.		