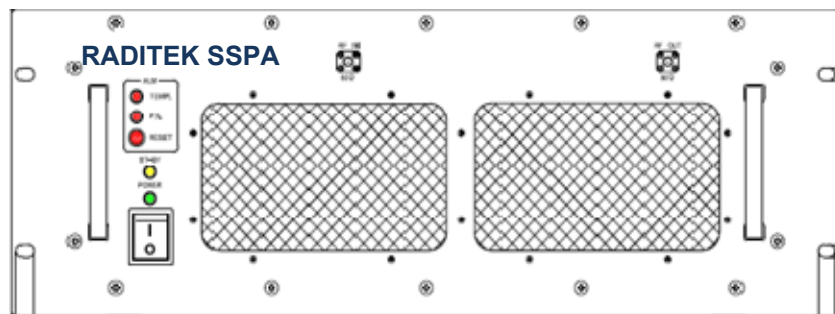


Microwave Power Amplifier, 3.1-3.5GHz,  
SMA Female (RF In), N Female (RF Out), Output Power 120Watt@P1dB  
RAMP-3.1-3.5-Nf-120W-k5



| Specifications                              |  | Units                              |
|---|--|------------------------------------|
| Frequency Range                             | 3.1-3.5  | GHz                                |
| Input/Output Impedance                      | 50   | $\Omega$ (nominal)                 |
| Output Power (@P1dB)                        | 120  | Watts (min)                        |
| In-band Gain                                | +60.0  | dB (min)                           |
| In-band Gain variation                      | $\pm 1.5$  | dB (max)                           |
| Operation Mode                              | Class-A  |                                    |
| Harmonics                                   | -20  | dBc (max) @Pout=120W               |
| Spurious                                    | -70  | dBc (max) @Pout=120W               |
| Input VSWR                                  | 1.5:1  | (max)                              |
| Output VSWR                                 | 1.5:1  | (max)                              |
| 3 <sup>rd</sup> Order Intercept Point (TOI) | +63.0 (typical)  | dBm                                |
| Noise Figure                                | 10 (typical)   | dB                                 |
| Connectors:                                 | RF Input<br>RF Output<br>Power Supply port   | SMA Female<br>N Female<br>Supplied |
| Power Supply                                | 220 $\pm$ 15%, Single Phase  | Volts AC 50/60Hz                   |
| Current                                     | 8  | A (max.)                           |
| Operating Temperature                       | 0 to +35   | $^{\circ}$ C                       |
| Storage Temperature                         | -15 to +65   | $^{\circ}$ C                       |
| Humidity@+25 $^{\circ}$ C (none condensing) | 15 to 85   | % @25 $^{\circ}$ C                 |
| Cooling Method                              | Forced Air Cooling   |                                    |
| Grounding                                   | Chassis  |                                    |
| Weight                                      | 30   | Kg (max.)                          |
| Dimensions                                  | 480(W) x 177(H) x 599.5(D)   | mm                                 |
| Protection Circuit                          | Temperature Protection Circuit / Supply Voltage Protection Circuit<br>FWD Over Power Protection Circuit / REF Over Power Protection Circuit<br>Built-in RF Output Circulator |                                    |

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