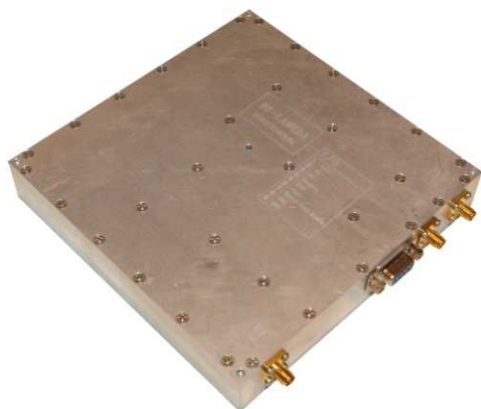




RF-LAMBDA

The power beyond expectations

RFLNPA1500W20



20W Power Amplifier 1430MHz to 1540MHz

- **Average Power 20W**
- **Applicable for base station, repeaters of CDMA and cellular network**
- **CDMA multi-carrier operation**
- **High Peak to average handle capability**
- **High Linearity and High efficiency design**
- **Customized alarms and protections.**

Heat Sink required during operation.

Frequency Range:	1430MHz-1530MHz
Average Output Power P1dB:	20W
RF Gain:	35dB
RF input:	BPSK/QPSK modulated signals
Input power:	+8dBm(typical)
Impedance	50ohm
VSWR	1.5:1
Temperature range	-30°C to +65°C
Harmonics rejection	>25dB
Spurious rejection	>60dB
Power supply	28V±4V
Power 'ON' Time	<800µsec (i.e. Time taken to switch 'ON' power amplifier)
Power 'ON' Time	<800µsec (i.e. Time taken to switch 'OFF' power amplifier)
Input connector	SMA female
Output connector	SMA female
Cooling:	Natural Convection
Convection Size (Length x Width x Height):	254 x 254 x 27 mm

20W Power Amplifier 1430MHz~1540MHz



RFLNPA00410

Pin 1: Over power alarm
Pin 2: Output VSWR alarm
Pin 3: Over temperature alarm
Pin 4: PA enable or disable
Pin 5 Pin 9: GND
Pin 6,7,8: N/C