

0.5~6GHz, 20W, Solid State Power Amplifier
FEATURES

- **Instantaneous ultra broadband**
- **Built-in protection circuits**
- **High reliability and ruggedness**
- **Compact size and light weight**

ELECTRICAL SPECIFICATIONS

Parameter	Min	Typ	Max	Unit
Frequency Range	0.5		6	GHz
Psat	20			W
Gain		50		dB
Gain Flatness			±3	dB
Harmonics	-10	-15		dBc
Spurious	-55	-60		dBc
VSWR			2:1	-
Input Power			10	dBm
DC Voltage	26	28	30	V

ENVIRONMENTAL SPECIFICATIONS

Parameter	Min	Typ	Max	Unit
Operating Temp.	-40		+55	°C
Storage Temp.	-40		+85	°C

MECHANICAL SPECIFICATIONS

Parameter	Value	Unit
Dimensions	150×100×25	mm
Weight	1.5	Kg
RF I/O Connectors	SMA female	-
Interface Connector	15-Pin Male D-Sub	-
Cooling	External Heatsink	-

Control CONNECTOR		
Pin #	Description	Specification
A1	Vcc	+28V
A2	GND	+28V-GND
1~3	N/C	N/C
4	TEMP MONITOR	Analog voltage relative to Module's Temperature @ 10 mV/ °C
5	CURRENT MONITOR	Analog voltage relative to IDD @ 100mV per Ampere
6	N/C	N/C
7	Enable	Amplifier Enable: TTL Logic High (3.3V) (Internally Pulled-Low)
8	GND	GND
9~15	N/C	N/C

OUTLINE DRAWING

