

6.0 – 12.0 GHz 30dBm Amplifiers

FEATURES

- $P_{1\text{dB}}$: 30dBm(min.)
- Noise Figure: 4.5dB
- Bias Condition: 1.4A @ 12 V
- Small Signal Gain: 45dB(min.)

ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	6		12	GHz
SSG	Small Signal Gain	45	50		dB
GOF	Small Signal Gain Flatness		± 1.2	± 1.5	dB
$P_{1\text{dB}}$	Output Power at 1 dB Gain Compression	30			dBm
IP3	The 3rd intercept Point		40		
NF	Noise Figure		4.5		dB
VSWR, IN	Input VSWR			2.0:1	-
VSWR, OUT	Output VSWR			2.0:1	-
Vdc	DC Supply Voltage(internal regulator included)	11	12	15	Volt
Idc	Current Supply		1.4	1.6	A
OTR	Operating Temperature Range	-30		70	°C

CASE: HA1, as shown attached, unit is in inch.

