

2.0 – 4.0 GHz 36dBm Amplifiers

FEATURES

- P₁dB: 35dBm
- Noise Figure: 5.5dB
- Bias Condition: 1600mA @ 12 V
- Small Signal Gain: 39dB

ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	2		4	GHz
SSG	Small Signal Gain	37	39		dB
GOF	Small Signal Gain Flatness		± 0.5	± 1	dB
P₁ dB	Output Power at 1 dB Gain Compression	35			dBm
P_{out}	Output Power at Pin = 0 dBm	36			dBm
NF	Noise Figure		5.0	5.5	dB
VSWR, IN	Input VSWR			2.0:1	-
VSWR, OUT	Output VSWR			2.0:1	-
V_{dc}	DC Supply Voltage(internal regulator included)		12		Volt
I_{dc}	Current Supply		1600	1800	mA
OTR	Operating Temperature Range	-30		70	°C

CASE: As shown attached, unit is in inch.

