

2.0 – 4.0 GHz 38dBm Amplifiers

FEATURES

- P₁dB: 38dBm
- Noise Figure: 4dB
- Bias Condition: 4.2A @ 12 V
- Small Signal Gain: 45dB

ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	2		4	GHz
SSG	Small Signal Gain	42	45		dB
GOF	Small Signal Gain Flatness		± 0.5	± 0.75	dB
P₁ dB	Output Power at 1 dB Gain Compression	37.8	38		dBm
NF	Noise Figure		4.0	5.0	dB
VSWR, IN	Input VSWR		1.8:1	2.0:1	-
VSWR, OUT	Output VSWR		1.8:1	2.0:1	-
Vdc	DC Supply Voltage(internal regulator included)		12		Volt
Idc	Current Supply		4.2	4.5	A
OTR	Operating Temperature Range	-30		70	°C

CASE: HA2, as shown attached, unit is in inch.

