

## 4 – 6 GHz 10W Amplifier

### FEATURES

- $P_{out}$  : 40 dBm(min.)
- Bias Condition : 8A @ 12 V
- Small Signal Gain : 40 dB

### ELECTRICAL SPECIFICATIONS (Ta = 25 °C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	4		6	GHz
SSG	Small Signal Gain	40			dB
GOF	Small Signal Gain Flatness		±1	±2	dB
NF	Noise Figure		5		dB
P1dB	1dB Compression Output Power	39			dBm
Pout	CW Saturation Power	40			dBm
Pin	Rated Input Power for Nominal Pout		0		dBm
P.M	Phase Matching			+/-15	Degree
VSWR, IN	Input VSWR		1.7:1	2:1	-----
VSWR, OUT	Output VSWR		1.7:1	2:1	-----
VDC	DC Supply Voltage		12		Volt
IDC	Current Supply		8		A
ST	Switching Time		10		usec
OTR	Operating Temperature Range	-30		60	°C

**Outline : HA2**

**Connectors : SMA (F)**