

16 – 18 GHz 10 dBm Power Amplifier

FEATURES

- P₁ dB: 10 dBm
- Noise Figure: 2.7 dB (max.)
- Small Signal Gain: 50 dB (min.)
- Bias Condition: 280 mA @ 15 V

ELECTRICAL SPECIFICATIONS at 25 ° C

Symbol	Description	Min.	Typ.	Max.	Unit
FREQ	Frequency Range	16		18	GHz
SSG	Small Signal Gain @ 25	50			dB
P₁ dB	Output Power at 1 dB Gain Compression @ 25		10		dBm
NF	Noise Figure @ 25			2.7	dB
VSWR, IN	Input VSWR @ 25		1.8:1	2:1	-
VSWR, OUT	Output VSWR @ 25		1.8:1	2:1	-
Vdc	DC Supply Voltage (with built-in regulator)		15		Volt
Idc	Current Supply		0.28	0.3	A
OTR	Operating Temperature Range	-30		60	°C

CASE: HD7