

### 16.5 - 18.2 GHz 32 dBm Amplifier

#### FEATURES

- SSG : 32 dBm ( min. )
- P1dB : 32 dBm ( min. ) @ 16.5-18.0GHz
- P1dB : 31 dBm(min.) @18.0-18.2GHz
- NF : 9.0 dB ( max. )
- Bias Condition: 3500 mA @ 12 V

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

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	16.5		18.2	GHz
SSG	Small Signal Gain	32			dB
GOF	Small Signal Gain Flatness			± 1.75	dB
GOT	Gain variation over temp.			± 1.25	dB
NF	Noise Figure			9.0	dB
P <sub>1dB</sub> @ 16.5-18GHz	Output Power at 1 dB Gain Compression	32			dBm
P <sub>1dB</sub> @ 18-18.2GHz	Output Power at 1 dB Gain Compression	31			dBm
IP3	Third Order Intercept Point	33			dBm
VSWR, IN	Input VSWR			2.0:1	-----
VSWR, OUT	Output VSWR			2.0:1	-----
VDC	DC Supply Voltage (with built-in regulator)		12		Volt
IDC	Current Supply		3500		mA
OTR	Operating Temperature Range	-40		80	° C
BIT output 32dbm / RL 2000ohm			-0.4		Volt
On/Off Switching speed			1.0		uSec
On/Off control,TTL		"1" = On ; "0" = Off			

Case: As attached!

