TRANSCOM

TA028-048-36-17

REV0_20040412

2.8 – 4.8 GHz 17 dBm Amplifier

FEATURES

- P_{1dB} : 17 dBm
- NF : 5 dB
- Bias Condition: 200 mA @ 15 V

ELECTRICAL SPECIFICATIONS (Ta = 25 ° C)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	**Frequency Range**	2.8		4.8	**GHz**
SSG	**Small Signal Gain**	36			**dB**
GOF	**Small Signal Gain Flatness**		±0.5	±0.75	**dB**
NF	**Noise Figure**			5	**dB**
P_{1dB}	**Output Power at 1 dB Gain Compression**	16	17		**dBm**
VSWR, IN	**Input VSWR**		1.8:1	2:1	**------**
VSWR, OUT	**Output VSWR**		1.8:1	2:1	**------**
VDC	**DC Supply Voltage (with built-in regulator)**		15		**Volt**
IDC	**Current Supply**		0.20	0.30	**A**
OTR	**Operating Temperature Range**	-10		60	**° C**

Note :

1. SSG 36dB(min.) will be designed for 2.8-4.8 GHz.
2. SSG 32dB(min) will be required for 2.8 GHz

CASE : HO4

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