



TM053-059-12-33

REV.2_04/12/2004

5.3 – 5.9 GHz 33 dBm Power Module

FEATURES

- $P_{-1\text{ dB}}$: 33 dBm
- Small Signal Gain: 12 dB
- IP3: 41 dBm
- Bias Condition: 600 mA @ 8 V



ELECTRICAL SPECIFICATIONS ($T_a = 25\text{ }^{\circ}\text{C}$)

SYMBOL	DESCRIPTION	MIN	TYP	MAX	UNITS
FREQ	Frequency Range	5.3		5.9	GHz
SSG	Small Signal Gain	11	12		dB
GOF	SSG Flatness		± 0.3	± 0.5	dB
$P_{-1\text{ dB}}$	Output Power at 1 dB Gain Compression	32	33		dBm
IP3	Third Order Intercept Point	40	41		dBm
VSWR, IN	Input VSWR		1.5:1	1.8:1	-
VSWR, OUT	Output VSWR		1.5:1	1.8:1	-
VDC	Supply Voltage		8		Volt
Vg	Gate Voltage	-1.2	-0.8	-0.4	
IDC	Current Supply		600	750	mA

CARRIER: S31 / Z31