



	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency No. 1		4000		MHz	1	..	..
Frequency No. 2		5000		MHz	1	..	..
Tuning Voltage	0		10	V	1	..	..
Modulation Sensitivity		4~5		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	3	6	dBm	1	..	..
Phase Noise @ 4GHz							
1 KHz Offset		-79		dBc/Hz	1	..	..
10 KHz Offset		-109		dBc/Hz	1	..	..
100 KHz Offset		-129		dBc/Hz	1	..	..
1MHz Offset		-149		dBc/Hz	1	..	..
10 MHz Offset		-165		dBc/Hz	1	..	..
Phase Noise @ 5GHz							
1 KHz Offset		-74		dBc/Hz	1	..	..
10 KHz Offset		-104		dBc/Hz	1	..	..
100 KHz Offset		-124		dBc/Hz	1	..	..
1MHz Offset		-144		dBc/Hz	1	..	..
10 MHz Offset		-164		dBc/Hz	1	..	..
Pushing		1	2	MHz/V	3	..	..
Pulling (12 dB R.L.)		2	4	MHz	3	..	..
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance			47	pF	2		
Harmonics		-20	-10	dBc	3	..	..
Vcc		5		V	5	..	..
Icc		38		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMBND					
LxW		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..
Band Switch Port		TTL					
Switch = 0V		4000		MHz	1	..	..
Switch = 5V		5000		MHz	1,6	..	..

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection
6. Design goal subject to change

SMBND FOOTPRINT

TOP VIEW, BOT SIDE



P1 = RF OUT
P5 = Vcc
P9 = VTUNE
P13 = BAND SWITCH
ALL OTHER PINS GND

NOTES

1. Except for output pins, bottom is solid ground plane.
2. All dimensions in mils
3. All holes are plated through.