

TINY_IG Oscillators

	FS2830R	FS2800R	FS2772R	FS2899R	FS2897R	FS2898R	FS2900R	FS3005R
TUNING RANGE (GHz)	3.0-6.0	3.0-8.0	4.0-8.0	5.0-10.0	7.0-11.0	6.0-13.0	8.0-16.0	10.0-20.5
Power Output (dBm)	+6	+6	+6	+6	+5	+4	+3	+3
Power Output Variation, max (dB)	+5	+6	+4	+4	+7	+7	+7	+7
Harmonics (dBc, max)	-12	-12	-12	-12	-12	-12	-12	-12
Non-Harmonic Spurious (dBc, max)	-70	-70	-70	-70	-70	-70	-70	-70
PHASE NOISE dBc/Hz								
@100KHz offset min.	-125	-125	-125	-125	-125	-125	-123	-118
@100KHz offset typ.	-128	-128	-130	-128	-128	-128	-125	-121
@10KHz offset min.	-100	-100	-100	-100	-100	-100	-98	-93
Temperature Drift (MHz, max) (0 to 60°C)	±45	±45	±45	±50	±50	±50	±60	±60
Tuning Linearity (MHz, max)	±2	±2	±2	±10	±20	±20	±45	±35
Hysteresis (MHz, max)	15	15	15	15	25	25	60	60
Frequency Pushing (MHz/V, max)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Frequency Pulling (1.5:1 VSWR, max)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TUNING COIL								
Sensitivity (MHz/mA) ±10%	8	8	8	8	9	12	12	11
Resistance (ohms, max)	7	7	7	7	6	7	10	11
Inductance (mH, max)	10	10	10	10	9	10	25	30
OPTIONAL FM COIL								
Sensitivity (KHz/mA, typ)	300	300	300	300	300	350	300	350
3 dB Bandwidth (KHz, typ)	400	400	400	400	400	400	400	400
Resistance (ohms, typ)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Inductance (uH, typ)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
BIAS CURRENT								
+5 or 8 Volts (mA, max)	70	70	70	70	70	70	70	70
-5 Volts (mA, max)	20	20	20	20	N/A	N/A	N/A	N/A
OUTLINE								
PCB	1305981	1305981	1305981	1305981	IN-051697	IN-051698	IN-051699	IN-051699
Surface Mount	IN-050088	IN-050088	IN-050088	IN-050088	IN-051696	IN-051544	IN-051684	IN-051684



Available in PCB or Surface Mount, FSXXXXR-PCB or FSXXXXR-SMT.

FM Coil Modulation BW available up to 2MHz.

Other Frequency bands available upon request.