

INTELLIGENT INTERACTIVE SYNTHESIZER

SURFACE MOUNT MODEL: FSW200400-100

WIDE BANDWIDTH

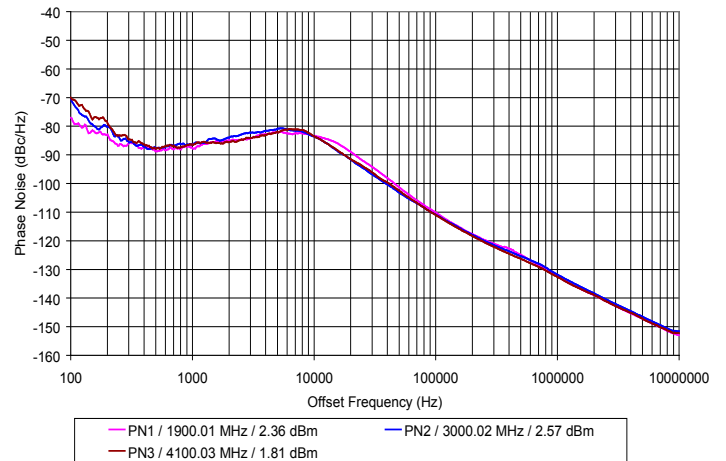
2000 - 4000 MHz

FEATURES:

- ▶ Exceptionally Low Phase Noise
- ▶ Interactive Communication
- ▶ Standard Programming Interface
- ▶ Ultra Wide Tuning Range
- ▶ Lead Free - RoHS Compliant
- ▶ Patent Pending REL-PRO® Technology
- ▶ Small Size, Surface Mount



Phase Noise

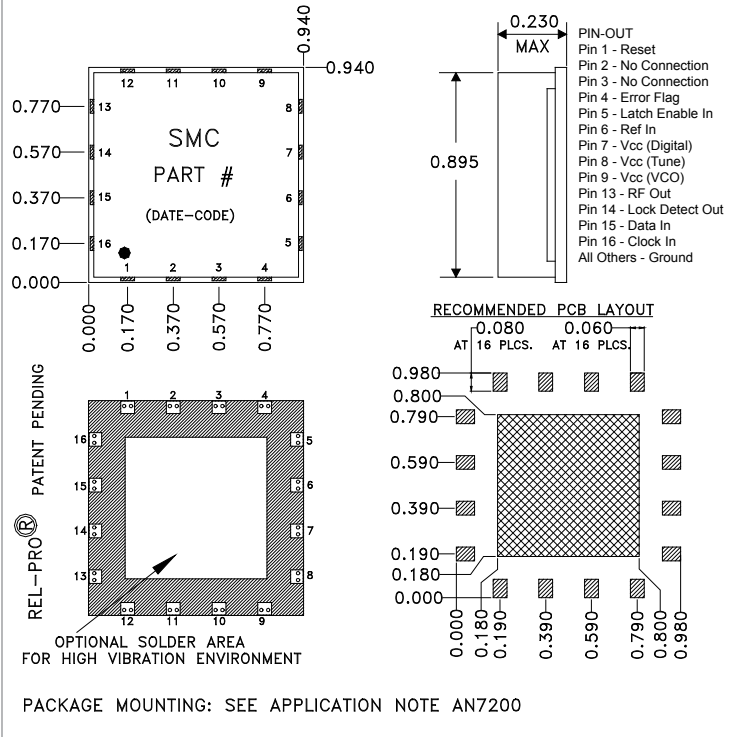


SPECIFICATIONS (Rev. C 01/12/09)

Frequency	2000 - 4000 MHz		
Step Size	1000 kHz		
Reference Input Frequency	10 MHz		
Reference Input Voltage	1 V p-p to 3.3 V p-p		
Bias Voltage	Vcc	V (Vdc)	I (mA Max)
	Digital	+5	15
	VCO	+5	50
	Tune	+18	5
Output Power	+3 dBm ±3 dB		
Spurious Suppression	-70 dBc (Max)		
Harmonic Suppression	-10 dBc (Typ)		
Settling Time	10 mSec (Typ)*		
Output Impedance	50 Ohms		
Typical Phase Noise	Offset	Phase Noise	
	@ 1 kHz	-85 dbc/Hz	
	@ 10 kHz	-85 dbc/Hz	
	@ 100 kHz	-110 dbc/Hz	
Operating Temperature Range	-40 to +85 °C		
Programming	See Application Note: AN7100		

* From the rising edge of LE to stable lock detect

Package # 273LF



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

This product is manufactured under one or more of the following patents: **Approved:** 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591; 7,262,670; 7,265,642; 7,292,113
Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834; 11/259766; 60/622485 & 60/710310; 10/937525/60/736901; 60/732787

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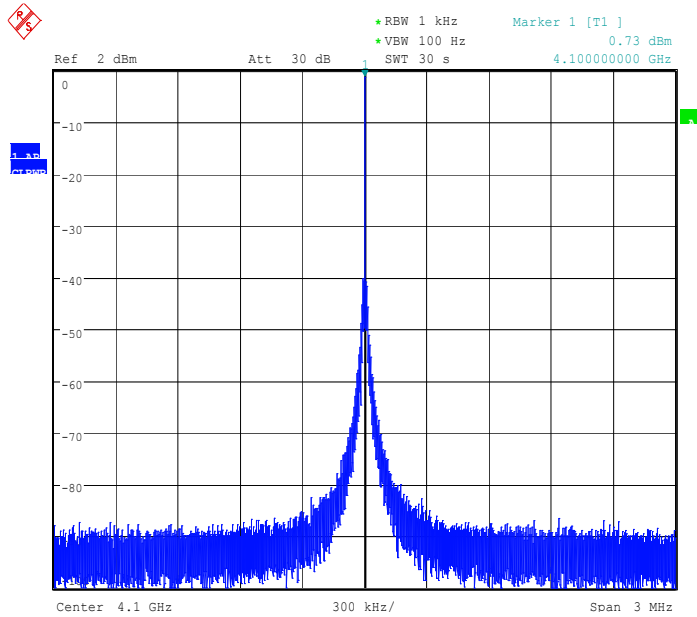
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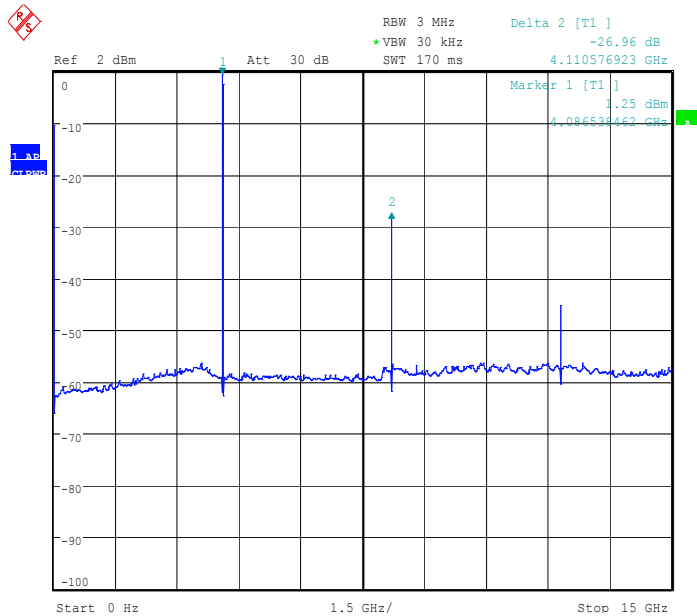
WIDE BANDWIDTH

2000 - 4000 MHz

REFERENCE SIDEBAND SUPPRESSION



TYPICAL HARMONIC REJECTION



PERFORMANCE PLOTS

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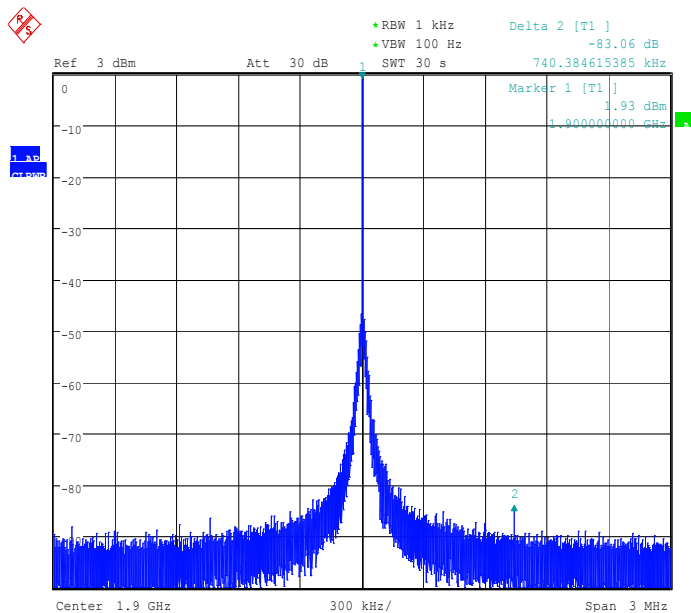
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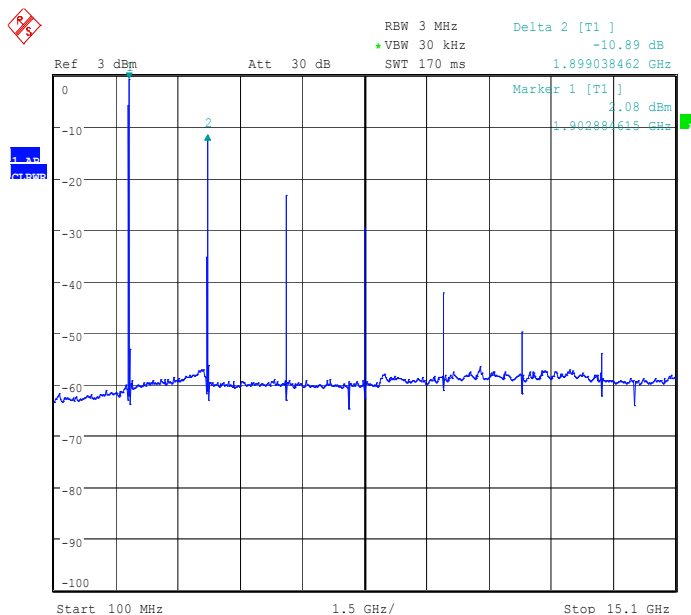
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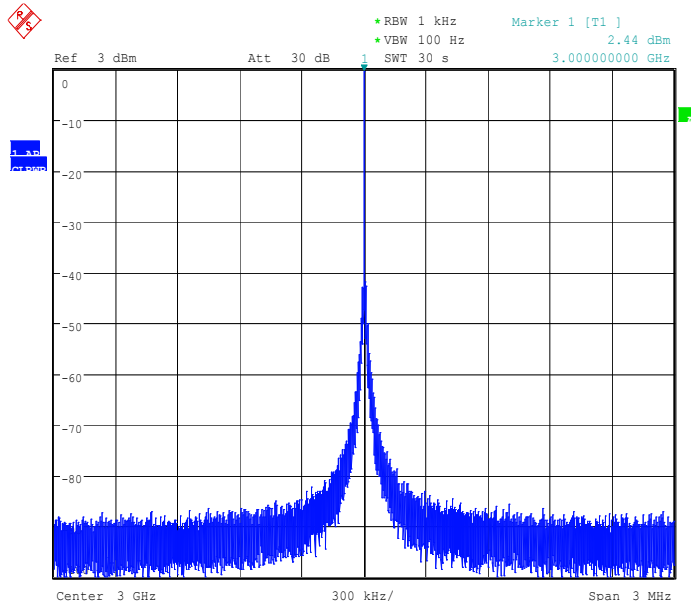
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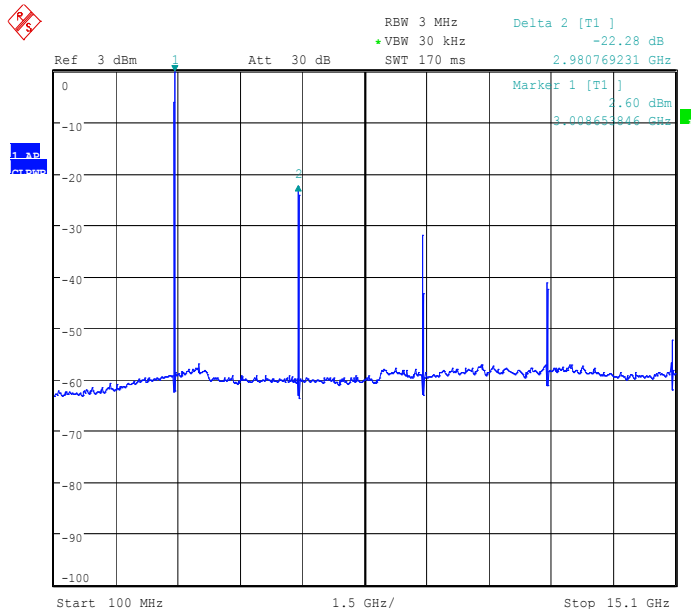
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