

FEATURES

- Exceptionally-Low Phase Noise
- Programmable Frequencies to 8 GHz
- Robust Designs for Extended Temperature and High Vibe Environments Available



Custom Designs Available

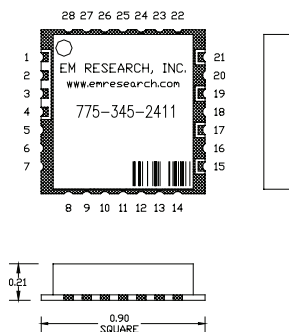


SPECIFICATIONS

Frequency Range	50 MHz to 8 GHz	Phase Noise (dBc/Hz)	6000 MHz	8000 MHz
Bandwidth	≤67% to 2 GHz	1 KHz Offset	<-93	<-84
.....	≤33% to 4 GHz	10 KHz Offset	<-97	<-85
.....	≤20% to 8 GHz	100 KHz Offset	<-101	<-91
Step Size	down to 100 KHz	1 MHz Offset	<-124	<-120
External Reference	5 to 200 MHz	Temperature Ranges (Operating)		
Power Output	up to +14 dBm	Standard	-20°C to +60°C	
Harmonics	<-20 dBc	Other Available Ranges	-30°C to +70°C	
Spurs	<-60 dBc		-40°C to +85°C	
Supply Options	+3.3, +5 VDC			
Current	≤200 mA			
Package Size	0.9" x 0.9" x 0.21"			
.....	(22.9 x 22.9 x 5.3)mm			

Note: All specifications are typical unless otherwise specified and subject to change without notice. Not all performance parameters are available in combination with certain specifications. E.G. Not all power output levels are available at all frequency ranges.

PACKAGE OUTLINE



Notes:

1. Tape-and-Reel available for high volume quantities.
2. Demoboards and Reference Modules available.
3. All dimensions are in inches unless otherwise specified.
4. Diagrams and pictures shown are examples only.

UPN Series_Prog_Product Overview Datasheet, Rev A, 6.14.12