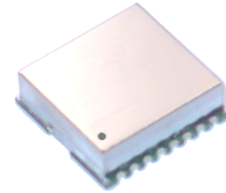


Features

- 5dBm Output Level at 100 MHz
- 2nd Harmonic: < -20dBc
- Spurious Level: < -65dBc
- Current Consumption: < 40mA

Description

The plerow™ PLL synthesizer module was designed for use in wireless and wireline systems in a wide range of frequency from 50 MHz to 6 GHz. ASB's PLL provides exceptionally low spurious and phase noise performance with fast locking time and low current consumption. All products are available in a surface-mount type package.



Specifications

Parameter	Unit	Min.	Typical	Max.
Frequency Range	MHz		100	
Output Power	dBm	3	5	7
Supply Voltage	V		5	
Current Consumption	mA		28	40
2 nd Harmonics	dBc		-25	-20
Spurious Level	dBc		-70	-65
Reference Frequency	MHz		13	
Reference Input Level	dBm		-	
Phase Noise (C / N)		0	2	5
@ 1 kHz			-88	-82
@ 10 kHz	dBc/Hz		-108	-103
@ 100 kHz			-120	-115
Output Impedance	Ω		50	
Operating Temp. Range	°C	-30	25	80
Package Type & Size	mm	SMT, 19.0W×19.0L×5.8H		

- 1) Measurement conditions are as follows: T = 25°C, V_{CC} = 5 V, Freq. = 100MHz, 50 ohm system.
- 2) Frequency stability of internal ref. TCXO is +/- 2.5 ppm (max.) over the operating temperature range.

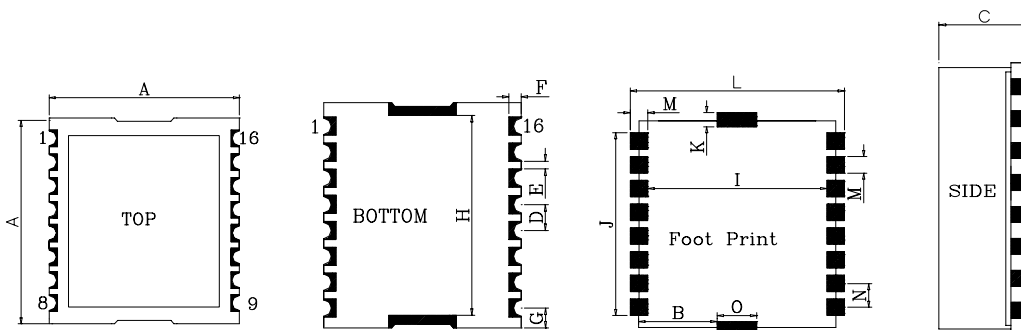
More Information

Website: www.asb.co.kr
 E-mail: sales@asb.co.kr

Tel: (82) 42-528-7220
 Fax: (82) 42-528-7222

ASB Inc., 4th Fl. Venture Town Bldg., 367-17 Goijeong-Dong, Seo-Gu, Daejeon 302-716, Korea

Outline Drawing



Dimension (unit: mm) ±0.02														
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
19.0±0.1	5.5	5.8	2.03	0.51	1.35	0.45	17.0	16.3	15.75	2.0	20.6	1.52	2.03	8.0

Pin Out for PLL			
Pin No.	Application	Pin No.	Application
1	GND	9	VCC(VCO)
2	GND	13	RF OUT
3	GND	15	VCP(PLL)
4	GND	16	LOCK DETECT
All other Pins are Grounded / Internal ROM & TCXO			