

Product Features

- PLL + VCO Type
- Excellent Phase Noise
- Low Spurious
- Surface Mount Package
- RF Frequency up to 5.8GHz
- 5.0V DC Power Supply
- Pb Free / RoHS Compliant



Package Type : PS-16 / PS-26

Application

- Wireless Communication System
- Base Station
- Cable Telephone, TV
- Others Wireless Communication System

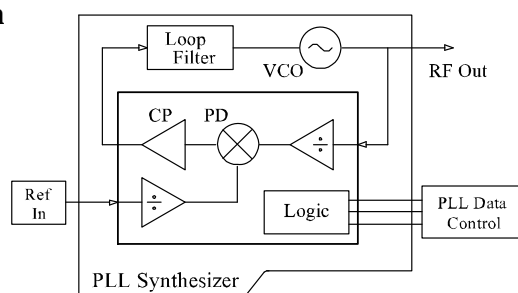
PS-32 / PS-42



Series View

V : VCO Frequency Variable

Test Configuration



Specifications

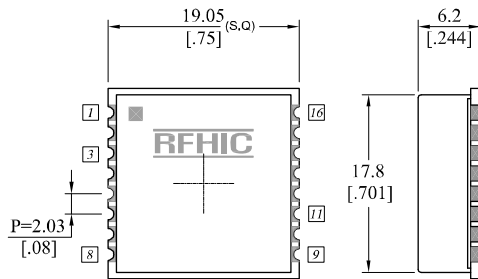
(Operating Temperature: -30°C~+80°C)

PARAMETER	SPECIFICATION	UNIT	CONDITION
Storage Temperature	-40 ~ +85	°C	
Operating Temperature	-30 ~ +80	°C	
Frequency	10 ~ 5800	MHz	
Supply Voltage VCC (PLL) / VCC (VCO)	3 ~ 5	V	
Reference Frequency	5 ~ 100	MHz	
Channel Step	10 ~ 10000	KHz	
Output Power	-3 ~ +7	dBm	
Current Consumption	40	mA / Max	
Spurious	-70	dBc / Max	
Lock Time	0.1 ~ 30	ms	
Phase Noise	-105	dBc/Hz	@ 10 KHz Offset
Output Impedance	50	Ω	

Package Dimensions

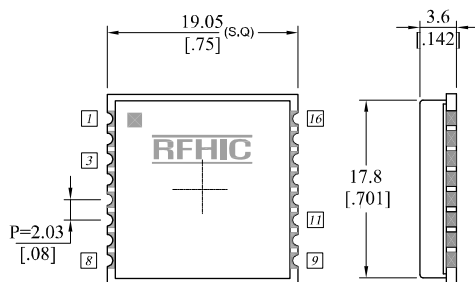
PS-16 type

Unit : $\frac{\text{mm}}{[\text{inch}]}$	Tolerance : $\pm \frac{0.2}{.008}$
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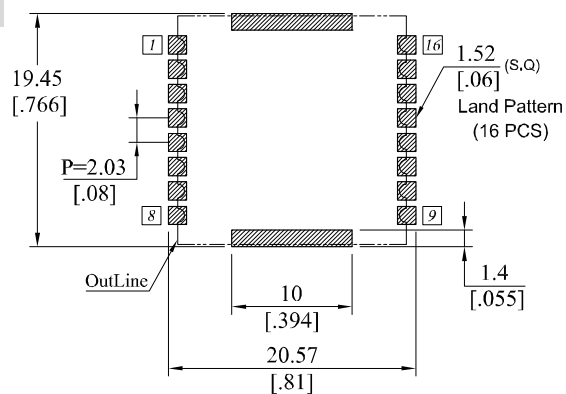
PLV Series Pin Assignment					
1	Clock	2	Data	3	Enable
4	Ref. IN	9	VCC(VCO)	13	RF Out
15	VCC (PLL)	16	Lock Detect	All other pins are GND	

PS-26 Type

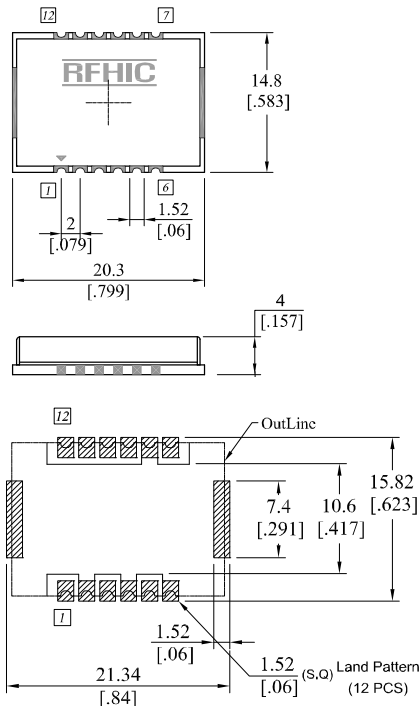


PLV Series Pin Assignment					
1	Clock	2	Data	3	Enable
4	Ref. IN	9	VCC(VCO)	13	RF Out
15	VCC (PLL)	16	Lock Detect	All other pins are GND	

Recommended Pattern



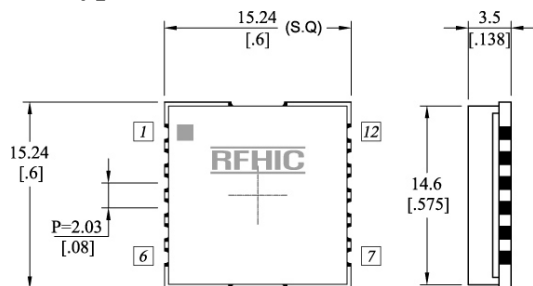
PS-32 type



PLV Series Pin Assignment					
1	VCC(PLL)	3	Ref. IN	5	VCC(VCO)
7	RF Out	9	LD	10	Clock
11	Data	12	Enable	All other pins are GND	

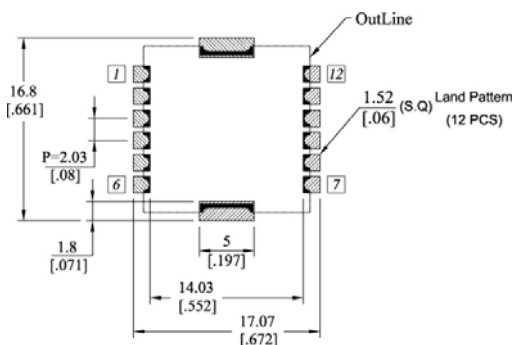
Recommended Pattern

PS-42 type



PLV Series Pin Assignment					
1	Clock	2	Data	3	Enable
4	Ref. IN	7	VCC(VCO)	10	RF Out
11	VCC (PLL)	12	Lock Detect	All other pins are GND	

Recommended Pattern



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