

Absolute Maximum Ratings

Parameter	Rating	Unit
Operating Ambient Temperature	-40 to +85	°C
Storage Temperature	-55 to +125	°C



Caution! ESD sensitive device.

Exceeding any one or a combination of the Absolute Maximum Rating conditions may cause permanent damage to the device. Extended application of Absolute Maximum Rating conditions to the device may reduce device reliability. Specified typical performance or functional operation of the device under Absolute Maximum Rating conditions is not implied.

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RoHS (Restriction of Hazardous Substances): Compliant per EU Directive 2002/95/EC.

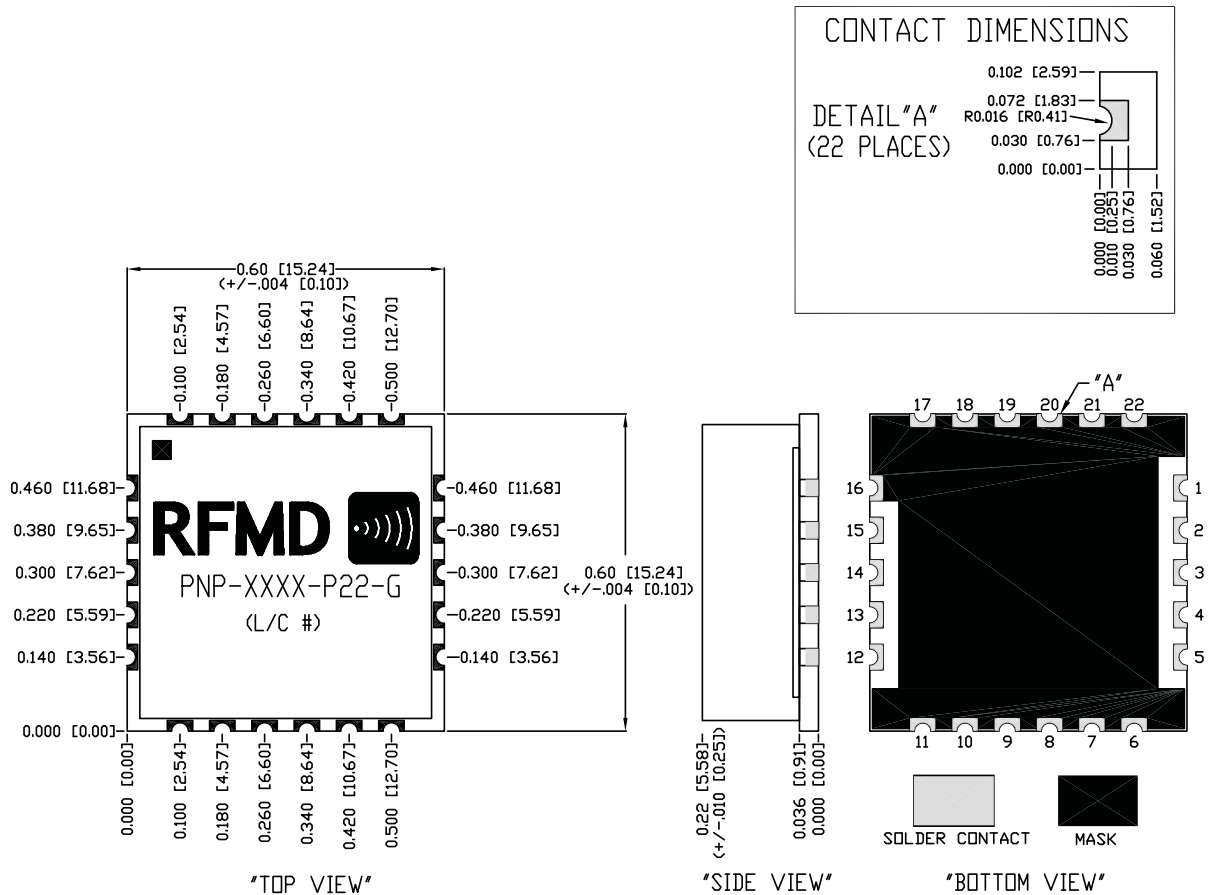
Parameter	Specification			Unit	Condition
	Min.	Typ.	Max.		
Overall					
Frequency Range	3165		3375	MHz	
Step Size	2500		10000	kHz	
Output Power	0	3	6	dBm	
Output Phase Noise		-90	-85	dBc/Hz	1 kHz
		-95	-90	dBc/Hz	10 kHz
		-115	-110	dBc/Hz	100 kHz
		-135	-130	dBc/Hz	1000 kHz
Spurious Product		-70	-60	dBc	2500kHz step size
Reference Feedthrough		-80	-70	dBc	
Second Harmonic		-15	-10	dBc	
Reference Oscillator Signal	10	20	250	MHz	Frequency
	0		3.3	V _{P-P}	Amplitude - DC coupled
Power Supply					
Operating Voltage	12.3	12.5	12.7	V	V1
	2.7	3	3.3	V	V2
Supply Current		54	68	mA	I1
		25	35	mA	I2

Notes:

- 1) Reference Input Level: -5dBm minimum, +5dBm maximum, AC coupled.
- 2) Specification Test Conditions: V1 = 12.5V, V2 = 3V, REF = 20MHz.

Package Drawing & Pin Outs

15.24mm x 15.24mm x 5.58mm (0.6in x 0.6in x 0.22in)



CONTACT ASSIGNMENTS:

1: DA0	12: RF OUTPUT
2: DA1	13: V1, ANALOG SUPPLY INPUT
3: DA2	14: V2, DIGITAL SUPPLY INPUT
4: LOCK DETECT	15: REFERENCE INPUT
5: NO CONNECT	ALL OTHER CONTACTS ARE GROUND