

Helping Customers Innovate, Improve & Grow


PX-369
Features

- Hybrid Sinewave VX design
- 4 point crystal mount
- Processed in accordance with MIL-PRF-55310, Class S
- Frequency Range: 85 MHZ to 160 MHZ

Applications
Performance Specifications

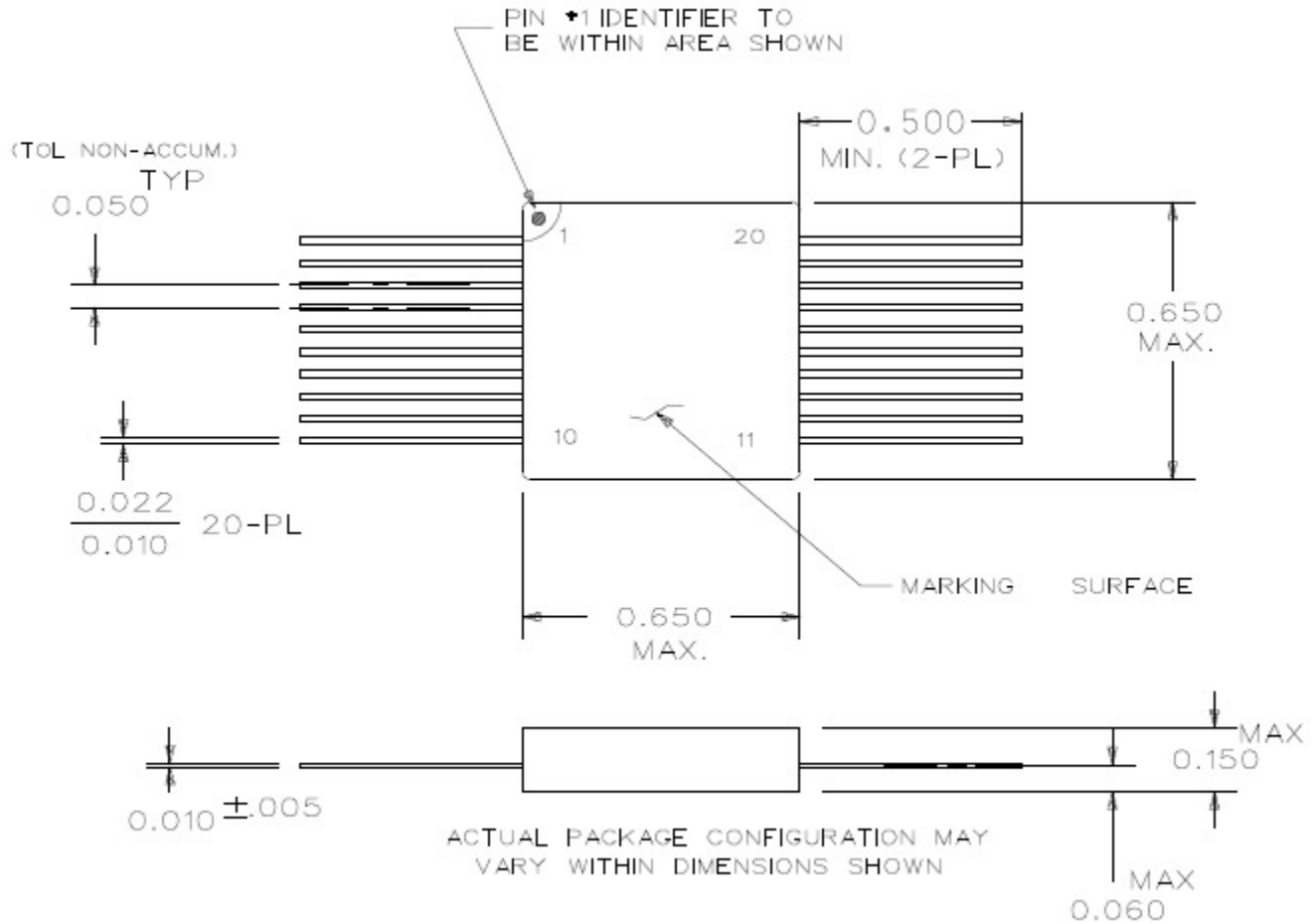
Parameter	Min	Typ	Max	Units	Condition
Frequency Stabilities¹					
Overall tolerance (including initial accuracy, operating temp range, load, supply, and 10 years aging)	-100		+100	ppm	-55... +125°C
Supply Voltage (Vs)					
Supply voltage	3.135	3.3	3.465	VDC	
Supply voltage	4.25	5.0	5.75	VDC	
Power consumption 50 mA			50	mA	
RF Output					
Signal	ACMOS				
Load		15		pF	// 10 kohms
Signal Level (Vol)			0.1	VDC	
Signal Level (Voh)	0.9			VDC	
Duty cycle	40		60	%	@ 50 % level
Rise and Fall Times			3	ns	measured @ 10% to 90 %
Period Jitter (pk-pk)		50	75	ps	10,000 samples - rising edge

Performance Specifications

Parameter	Min	Typ	Max	Units	Condition
Absolute Maximum Ratings					
Supply voltage (Vs)			7.0	V	
Operable temperature range	-55		+125	°C	
Storage temperature range	-55		+125	°C	

Additional Parameters		
Class "S" Screening	IAW MIL-PRF-55310	100 krads Class "S", Swept Quartz
Class "S" Screening	IAW MIL-PRF-55310	Class "S", Swept Quartz
Class "B" Screening	IAW MIL-PRF-55310	Class "B", Swept Quartz
Class "B" Screening	IAW MIL-PRF-55310	Class "B", Un-Swept Quartz
No Screening	Engineering Model	Class "B", Un-Swept Quartz
No Screening	Engineering Model	Cots

Outline Drawing / Enclosure

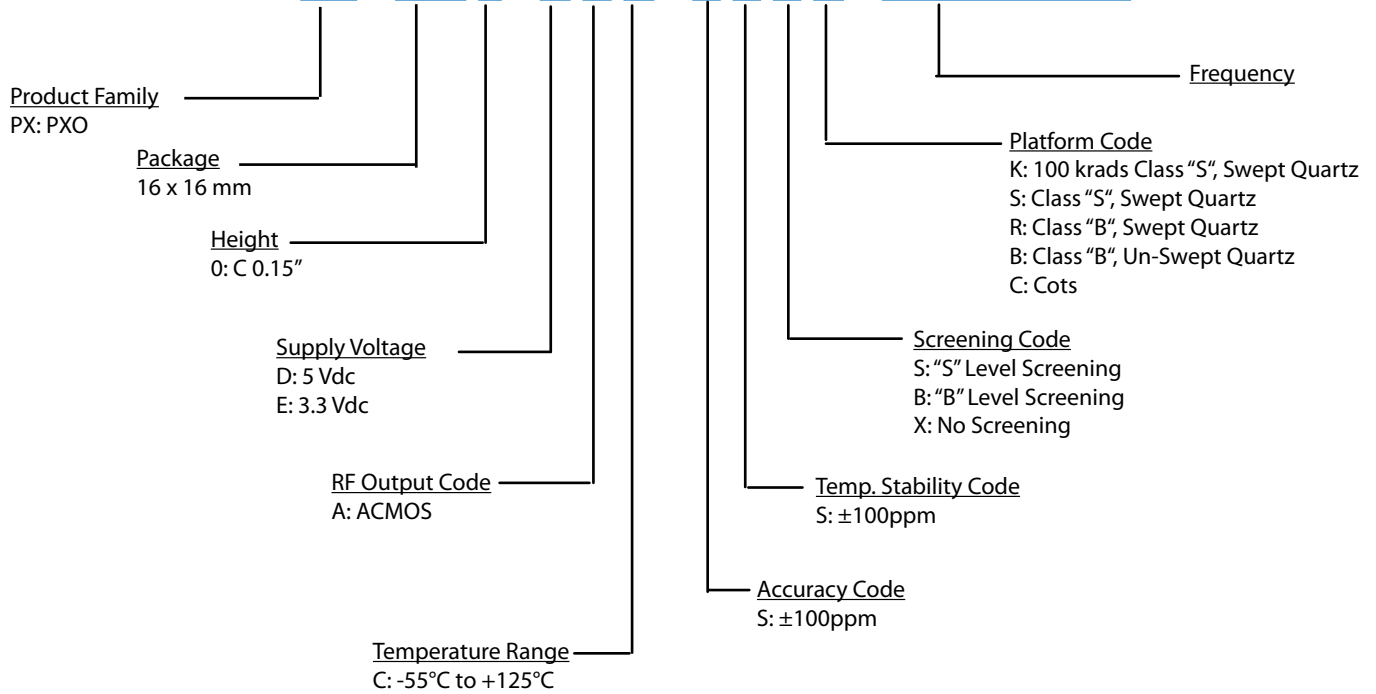


Type C		
Code	Height "H"	Pin Length
0	0.15"	0.50"

Pin Connections	
10	Ground (Case)
11	RF Output
13 or 20	Supply
others	all others have no internal connection

Ordering Information

PX - 369 0 - D A C - S S X B - 10M000000



Notes:

1. Contact factory for improved stabilities or additional product options. Not all options and codes are available at all frequencies.
2. Unless other stated all values are valid after warm-up time and refer to typical conditions for supply voltage, frequency control voltage, load, temperature (25°C).
3. Phase noise degrades with increasing output frequency.
4. Subject to technical modification.
5. Contact factory for availability.

For Additional Information, Please Contact

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Rev: 1/27/2009 daf