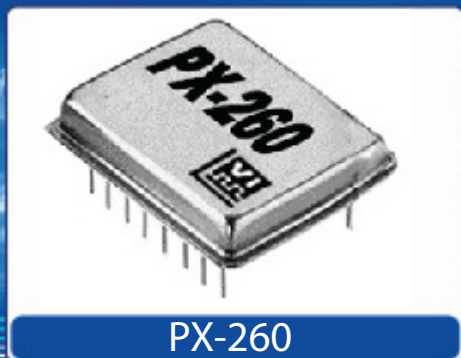


Helping Customers Innovate, Improve & Grow



PX-260

Features

- Miniature Hybrid Design
- Frequency Range: 4 MHz to 700 MHz
- Previous Model: CO-434, CO-454, CO-484

Applications

Performance Specifications

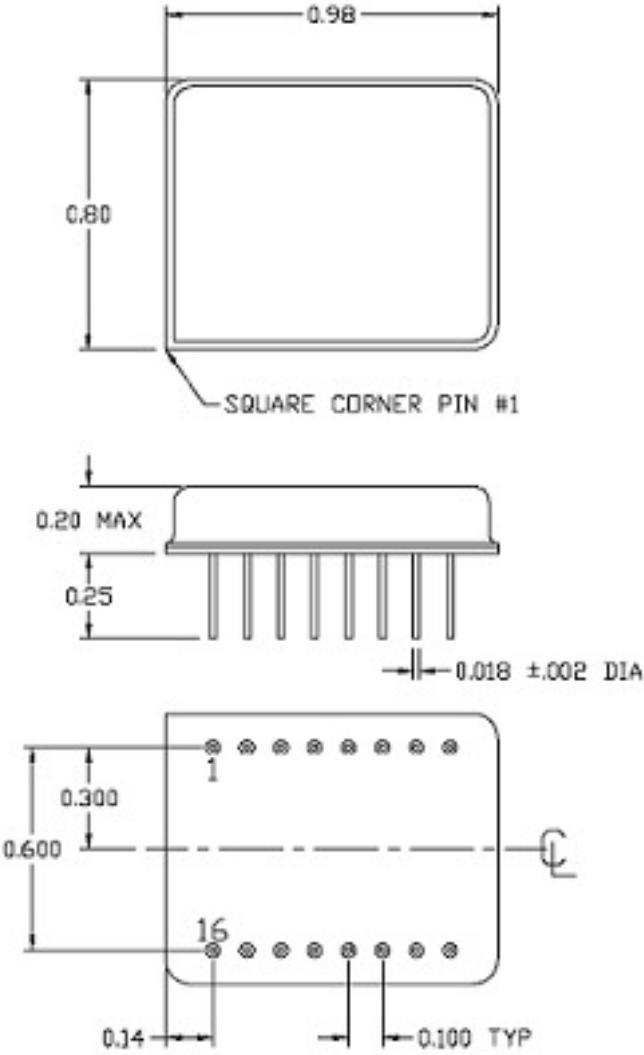
Parameter	Min	Typ	Max	Units	Condition
Frequency Stabilities ¹					
vs. operating temperature range (referenced to +25°C)	-5 -10 -25 -50 -50 -100		+5 +10 +25 +50 +50 +100	ppm ppm ppm ppm ppm pbm	0... +50°C 0... +50°C 0... +70°C (standard) -55... +85°C -55... +125°C -55... +125°C
Initial tolerance	-50 -25 -15 -10 -1		+50 +25 +15 +10 +1	ppm ppm ppm ppm ppm	@+25°C @+25°C @+25°C @+25°C Set via external capacitor (custom number required)
vs. aging / 1 year	-3		+3	ppm	after 30 days of operation
vs. aging / year (following years)	-2		+2	ppm	
Supply Voltage (Vs)					
Supply voltage (Standard)	14.75	15.0	15.25	VDC	
Supply voltage		-5.2		VDC	@< 45 mA to 110 MHz, @< 70 mA above 110 MHz
Supply voltage		-4.5		VDC	@< 60 mA
Current			45 70 60	mA mA mA	to 110 MHz @ -5.2V above 110 MHz @ -5.2V @ -4.5V

Performance Specifications

Parameter	Min	Typ	Max	Units	Condition
RF Output					
Output	Output taken directly from 10K, 10KH, ECLinPS or ECLinPS Lite gate, depending on temperature and frequency range. Complementary outputs standard				@ -5.2V
Output	Output taken directly from 100K, ECLinPS or ECLinPS Lite gate, depending on temperature and frequency range. Complementary outputs standard.				@ -4.5V
Output (Standard) (Option)	+7 +13			dBm dBm	@ +15V (custom number required)
Additional Parameters¹					
Phase Noise ³ (typical 4-100 MHZ)			-100 -125 -140 -145	dBc/Hz dBc/Hz dBc/Hz dBc/Hz	100 Hz 1 kHz 10 kHz 50 kHz

Screen Testing of Above Models				
SCREEN TEST	MIL-STD-883 METHOD	Standard	Options	
		CLASS "X"	CLASS "B"	CLASS "S"
Stabilization Bake (150°C)	—	X	X	Class S screen test requirements include 24 hour additional bake-out, 80 hour additional burn-in, thermal shock, PIND test and radiographic inspection in addition to Class B Screening. Has major cost impact.
Seal Test (Gross and Fine)	1014, Cond A2	X	X	
Temperature Cycling (Thermal Shock)	1010, Cond B		X	
Burn-in, operating 160 hours @125°C	—		X	
Acceleration (5000g in Y1 axis)	2001, Cond A		X	

Outline Drawing / Enclosure

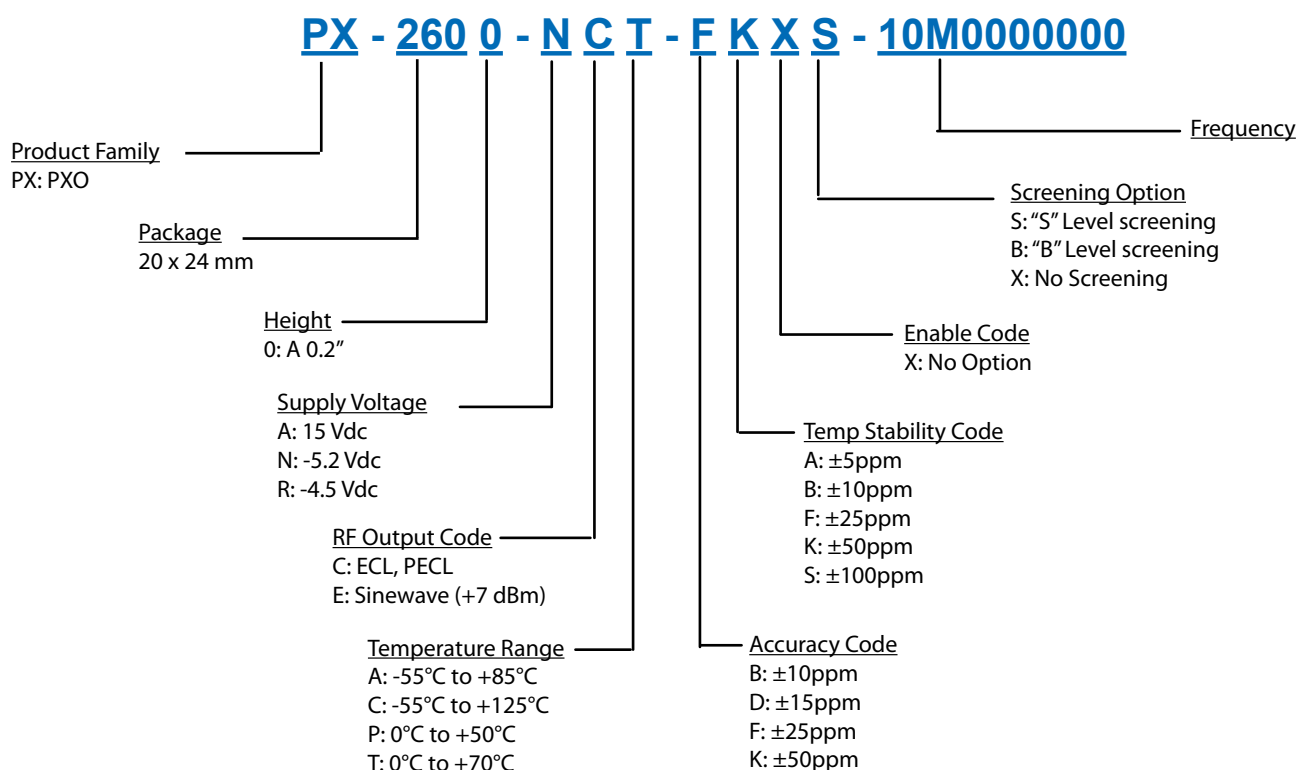


Dimensions in inches

Type A		
Code	Height "H"	Pin Length "L"
0	0.20	0.25

Pin Connections	
8	Supply
9	RF Output
10	Complimentary RF Output
11	Ground (Case)
16	Ground (Case)
others	No Connection

Ordering Information



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.

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