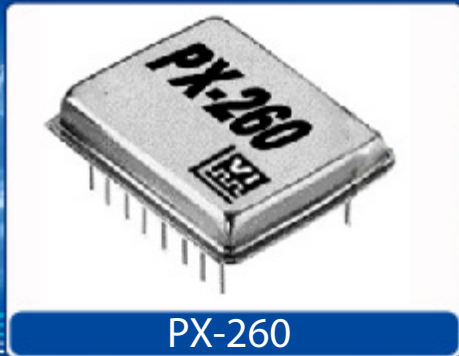


Helping Customers Innovate, Improve & Grow


PX-260

Features

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

Performance Specifications

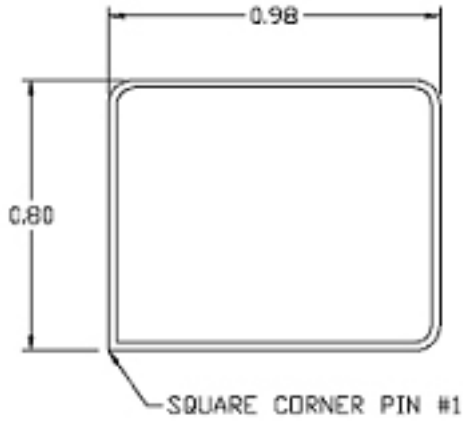
| Parameter | Min | Typ | Max | Units | Condition |
|--|--------|------|--------|-------|--|
| Frequency Stabilities¹ | | | | | |
| vs. operating temperature range (referenced to +25°C) | -10 | | +10 | ppm | 0... +50°C |
| | -25 | | +25 | ppm | 0... +70°C |
| | -50 | | +50 | ppm | -55... +85°C |
| | -50 | | +50 | ppm | -55... +125°C |
| | -100 | | +100 | ppm | -55... +125°C |
| Initial tolerance | -50 | | +50 | ppm | @+25°C |
| | -25 | | +25 | ppm | @+25°C |
| | -15 | | +15 | ppm | @+25°C |
| | -10 | | +10 | ppm | @+25°C |
| 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) | 14.25 | 15.0 | 15.75 | VDC | |
| Supply voltage | -4.94 | -5.2 | -5.46 | VDC | |
| Supply voltage | -4.275 | -4.5 | -4.725 | VDC | |
| Supply voltage | 2.97 | 3.3 | 3.63 | VDC | |
| Current | | | 45 | mA | to 110 MHz @ -5.2V above 110 MHz @ -5.2V @ -4.5V; 3.3V |
| | | | 70 | mA | |
| | | | 60 | mA | |

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 | +7 +13 | | | dBm dBm | @ +15V (custom number required) |
| Output | 100K PECL with complementary outputs | | | | @ 3.3V |
| Additional Parameters¹ | | | | | |
| Phase Noise ³ (typical 100 MHZ) | | | -100 -125 -140 -145 | dBc/Hz dBc/Hz dBc/Hz dBc/Hz | 100 Hz 1 kHz 10 kHz 50 kHz |

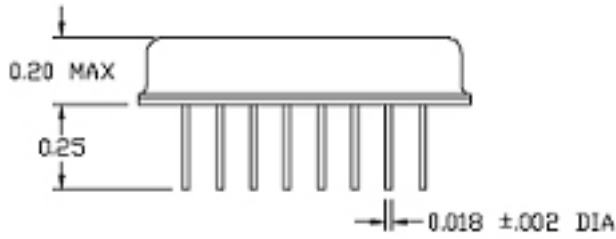
| Screen Testing of Above Models | | | | |
|---------------------------------------|--------------------|-----------|-----------|---|
| SCREEN TEST | MIL-STD-883 METHOD | Standard | Options | |
| | | CLASS "X" | CLASS "B" | CLASS "S" |
| Stabilization Bake (150°C) | — | X | X | Class S screen test requirements 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

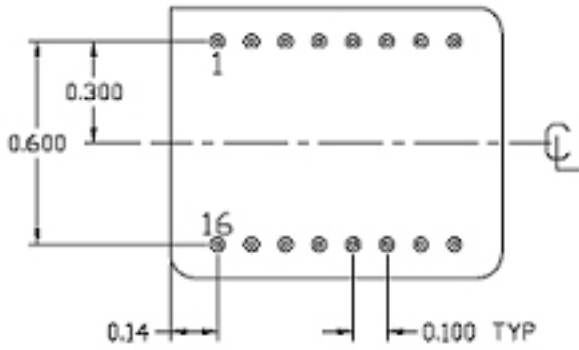


Dimensions in inches

| Code | Height "H" | Pin Length "L" |
|------|------------|----------------|
| 0 | 0.20 | 0.25 |

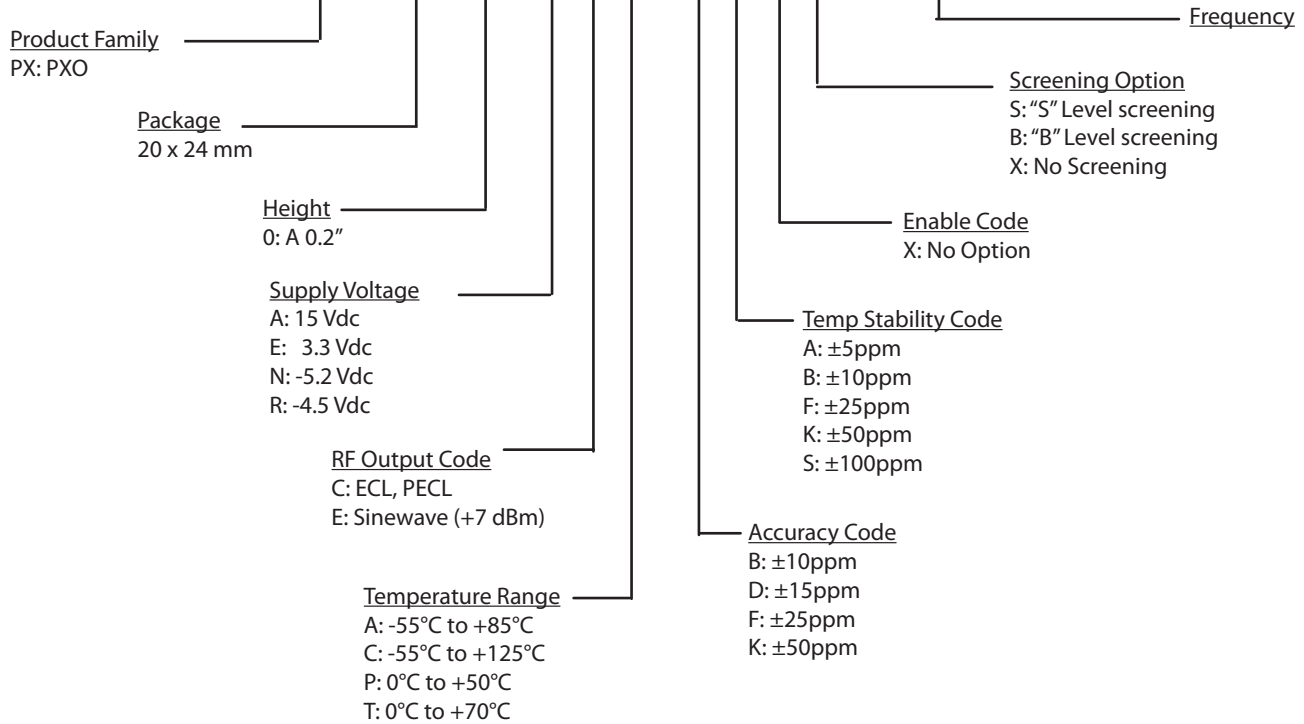


| Pin Connections | |
|-----------------|-------------------------|
| 8 | Supply |
| 9 | RF Output |
| 10 | Complimentary RF Output |
| 11 | Ground (Case) |
| 16 | Ground (Case) |
| others | No Connection |



Ordering Information

PX - 260 0 - N C T - F K X S - 10M0000000



Notes:

- Contact factory for improved stabilities or additional product options. Not all options and codes are available at all frequencies.
- 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).
- Phase noise degrades with increasing output frequency.
- Subject to technical modification.
- Contact factory for availability.

For Additional Information, Please Contact

USA:

Vectron International
 267 Lowell Road, Unit 102
 Hudson, NH 03051
 Tel: 1.888.328.7661
 Fax: 1.888.329.8328

Europe:

Vectron International
 Landstrasse, D-74924
 Neckarbischofsheim, Germany
 Tel: +49 (0) 3328.4784.17
 Fax: +49 (0) 3328.4784.30

Asia:

Vectron International
 68 Yin Cheng Road(C), 22nd Floor
 One LuJiaZui
 Pudong, Shanghai 200120, China
 Tel: 86.21.6194.6886
 Fax: 86.21.6194.6699

Disclaimer

Vectron International reserves the right to make changes to the product(s) and or information contained herein without notice. No liability is assumed as a result of their use or application. No rights under any patent accompany the sale of any such product(s) or information.