

Surface Mount VC-TCXO

Series **CC129**

- 4.0 mm height
- Tight stability available
- TTL/HCMOS output

Part Numbering Example: CC129 L Z - A2 B2 45 - 22.5792 M

CC129	L	Z	A2	B2	45	22.5792	M
SERIES	VOLTAGE	PACKAGING OPTIONS	OPERATING TEMP.	STABILITY	SYMMETRY	FREQUENCY	PULL RANGE
CC129	Blank = 5V L = 3.3V	Blank = Bulk Z = Tape and Reel	A2 = -10°C ~+60°C A3 = -30°C ~+75°C A5 = -20°C ~+70°C A9 = 0°C ~+50°C AA = -10°C ~+70°C AB = -30°C ~+70°C AC = -30°C ~+60°C AE = -40°C ~+80°C	B1 = ±5.0 ppm B2 = ±3.0 ppm B3 = ±2.5 ppm B4 = ±2.0 ppm B5 = ±1.5 ppm B9 = ±4.0 ppm BB = ±4.5 ppm BF = ±3.5 ppm	Blank = 40/60% 45 = 45/55%		L = ±10 ppm M = ±5 ppm

Specifications:

Frequency Range: 1.000 MHz to 35.000 MHz

Available Stability Options:

- ±1.5 ppm
- ±2.0 ppm
- ±2.5 ppm
- ±3.0 ppm
- ±3.5 ppm
- ±4.0 ppm
- ±4.5 ppm
- ±5.0 ppm

Output Series: TTL/CMOS

Input Voltage: +5.0 VDC ±5%

Operating Temperature

Range Options:

- 0°C to +50°C
- 10°C to +60°C
- 10°C to +70°C
- 20°C to +70°C
- 30°C to +60°C
- 30°C to +70°C
- 30°C to +75°C
- 40°C to +80°C

Frequency Tuning Range:

- ±5 ppm Min.
- ±10 ppm Min.

External Control Voltage: +2.5 VDC, ± 2.0 VDC

Output Voltage:

- TTL $V_{OL}=0.4$ V Max.
- TTL $V_{OH}=2.4$ V Min.
- HCMOS $V_{OL}=10\%V_{DD}$ V Max.
- HCMOS $V_{OH}=90\%V_{DD}$ V Min.

Frequency Trim Range

With Externally Adjustable Trimmer:

- ±3.0 ppm Minimum

Output Load: 10 LS TTL, 15 pf CMOS

Maximum Input Current: 20 mA

Maximum Rise/Fall Time: 10 ns

Duty Cycle:

- 40/60%
- 45/55%

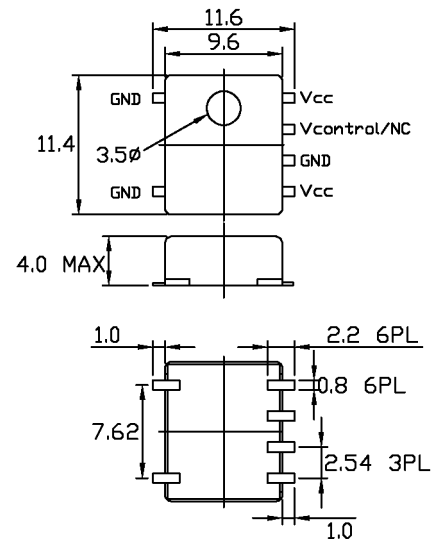
Maximum Frequency: ±1 ppm/yr

Aging at +25°C:

Storage Temperature: -40°C to +80°C

Packaging: Tape and Reel (1K per Reel)

CC129



RECOMMENDED SOLDER PAD LAYOUT

