

# Thru Hole Mount VC-TCXO

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

Series **CC123**



Part Numbering Example: **CC123 L - A1 B2 45 - 22.5792 M**

CC123	L	A1	B2	45	22.5792	M
SERIES	VOLTAGE	OPERATING TEMP.	STABILITY	SYMMETRY	FREQUENCY	PULL RANGE
CC123	Blank = 5V L = 3.3V	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:

<b>Frequency Range:</b>	1.000 MHz to 35.000 MHz
<b>Available Stability Options:</b>	±1.5 ppm ±2.0 ppm ±2.5 ppm ±3.0 ppm ±3.5 ppm ±4.0 ppm ±4.5 ppm ±5.0 ppm
<b>Output Series:</b>	TTL/CMOS
<b>Input Voltage:</b>	+5.0 VDC ±5%, +3.0 VDC ±5%
<b>Operating Temperature Range Options:</b>	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
<b>Frequency Tuning Range:</b>	±5 ppm Min. ±10 ppm Min.
<b>External Control Voltage:</b>	+2.5 VDC, ± 2.0 VDC, +1.65 VDC, ± 1.35VDC
<b>Output Voltage:</b>	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.
<b>Frequency Trim Range With Externally Adjustable Trimmer:</b>	±3.0 ppm Minimum
<b>Output Load:</b>	10 LS TTL, 15 pf CMOS
<b>Maximum Input Current:</b>	20 mA
<b>Maximum Rise/Fall Time:</b>	10 ns
<b>Duty Cycle:</b>	40/60%
<b>Maximum Frequency Aging at +25°C:</b>	±1 ppm/yr
<b>Storage Temperature:</b>	-40°C to +80°C

## CC123

