

# VCXO (Voltage Controlled Crystal Oscillator)

Thru-hole Full-size VCXOs

6RF Series Thru-hole VCXOs

## Features

- All metal welded package.
- Frequency range from 1MHz up to 80MHz.
- 5V/3.3V operating voltage.
- CMOS output.
- 3-state function.
- 14-Pin DIP(Full-Size Package)
- Applications: communications,Avionics, Test equipments,Electronic instruments,etc.
- RoHS Compliant /Pb Free.

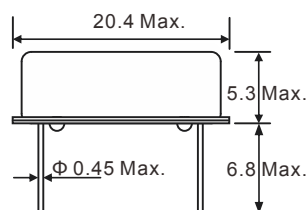
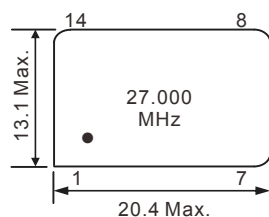


## Standard Specification

Item /Type	6RF (6RF Thru-Hole VCXOs)	
Output Type	CMOS	
Supply current	40mA Max.	60mA Max.
Supply Voltage	3.3V	5.0V
Frequency Range	1~80 MHz	
Frequency Stability	±25ppm, ±50ppm	
Operating Temperature Range	-20~+70°C, -40~+85°C , or specify	
Storage Temperature Range	-55~+125°C	
Load	15pF	
	Voltage Voh	3.0V Min. 4.5V Min.
	Voltage Vol	0.3V Max. 0.4V Max.
	Current Ioh	-4.0mA. -8.0mA.
	Current Iol	4.0mA. 8.0mA.
	Duty Cycle	40/60 Max.
	Rise/Fall time	5ns Max.
Frequency Control	Positive Transfer Characteristic	
	Pullability	±50ppm ,±100ppm,±150ppm,±200ppm Min.
	Control Voltage	0.3Vdc to 3.0Vdc 0.5Vdc to 4.5Vdc
	Center Voltage	1.65Vdc 2.5Vdc
	Monotonic Linearity	<±15% <±15%
	Input impedance	50K ohms Normal 50K ohms Normal

\*APR=(Pull Range)-(Frequency tolerance at 25°C,variation over temperature,supply voltage variation,and aging.)

## Dimensions [mm]



## Pin Connections

Pin No.	Connection
1	OE
7	GND
8	Output
14	Vdd

