

LVPECL VCXO Oscillator

Series: CFVE

Part Numbering Example: CFVE7-A6P2-FREQ

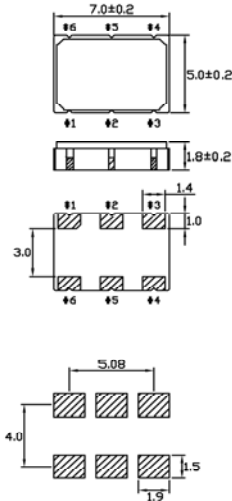
Operating Temp
A6 = 0°C to -70°C
A5 = -20°C to 70°C
A7 = -40°C to 85°C

PULLING (APR) Min.
P1 = ±100 ppm
P2 = ±50 ppm Std
P3 = ±25 ppm
P4 = ±20 ppm



Specifications: Min Typ Max Unit

Frequency Range:	77.76		200	MHz
Settability at Nominal:	1.4	1.65	1.9	V
Supply Voltage:	3	3.3	3.6	V
Control Voltage:	0	1.65	3.3	V
Storage Temperature:	-55		+ 125	°C
Duty Cycle:	45		55	%
Linearity:		±10		%
Aging: (ppm/1st Year)			5	ppm
Enable/Disable Time			200	nS
Input Current:		50	88	mA
Jitter (RMS) 12Khz to 80 Mhz		0.5	1.0	pS
Output Voltage Voh	Vdd - 1.085			V
Vol			Vdd - 1.555	V
Phase Noise:				
10Hz		-60		dBc/Hz
100Hz		-95		dBc/Hz
1Khz		-120		dBc/Hz
10Khz		-140		dBc/Hz
100Khz		-145		dBc/Hz
Rise/Fall Time:			1.0	nS
Output Level:	Differential LVPECL			
Packaging:	Tape and Reel 1000 pcs per Reel			



- PIN Function**
- 1 Cont Volt
 - 2 E/D
 - 3 Ground
 - 4 LVPECL +
 - 5 LVPECL -
 - 6 Vdd

Solder Pad Layout
By-pass Capacitor Recommended

Standard Frequencies
77.76
155.52
156.25
161.1328
166.6286
167.3316

Enable/Disable Function	
E/D pin	Output Pin
Open	Active
"1" level 0.7V Min	Active
"0" level 0.3V Max	High Z