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### **LVPECL Surface Mount XO**

\* Industry Standard Outline

\* LVPECL Output

#### CARDINAL COMPONENTS

#### Applications

- \* Serial Communications
- \* Routers
- \* Switches
- \* WAN Interfaces
- \* Test Equipment





Part Numbering Example: CFE4 Z - A5 BP - 222.5792

CFE4 222.5792 **FREQUENCY** SERIES PACKAGING OPTIONS **OPERATING TEMP.** 

CFE4 Blank = Bulk

Z =

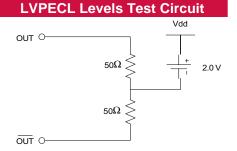
Blank =  $0^{\circ}$ C ~ + $70^{\circ}$ C

Blank = ±100 ppm  $BP = \pm 50 \text{ ppm}$ 

= Tape and Reel	A5 = -20°C ~ +70°C A7 = -40°C ~ +85°C

Specifications:	Min	Тур	Max	Unit	
Frequency Range:	38		640	MHz	
Stability:	-50		+ 50	ppm	
Supply Voltage:	3.135	3.3	3.465	V	
Operating Temperature:	-40		+ 85	°C	
Storage Temperature:	-55		+ 125	°C	
Duty Cycle:	45		55	%	
Start-Up Time:		3	10	mS	
Aging: (ppm/1st Year) Ta=25C, Vdd=3.3V			5	ppm	
Supply Current:			100	mA	
Short Circuit Current:		± 50		mA	
RMS Period Jitter:		5		pS	
RMS Integrated Jitter: 12kHz to 20MHz		0.7		pS	
Phase Noise @ 10kHz:			-120	dBc/Hz	
Output Voltage: Voh Vol	Vdd - 1.025		Vdd - 1.62	V V	
Rise/Fall Time:		0.4	0.8	nS	
Output Level:	LVPECL				
Packaging:	Tape and Reel 1000 pcs per Reel				

CFE4					
14.00	900				
		PIN Function			
	350	1 LVPECL- 2 Ground 3 LVPECL+ 4 VDD			
	200				
-  254   -					
780					
5.08					



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