

Telecom OC12 Oscillator

- 311.04 MHz Fixed Osc
- PECL Output

Applications

- SDH / SONET
- Digital Switching
- Test Equipment
- Cellular Telephony
- Land Mobile Radio

Series

C3FSE

Part Numbering Example: C3FSE Z

Specifications:	Min	Typ	Max	Unit
Frequency Range:		311.04		MHz
Available Stability Options:	-30		30	ppm
Supply Voltage:	3.135	3.3	3.465	V
Operating Temperature Range Options:	-10		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	
Static Discharge Voltage Mil-Std 883, method 3015	2000			V
Supply Current			100	mA
Short Circuit Current		± 50		mA
Jitter Integrated Period		3 10	4	pS pS
Phase Noise @10KHz Offset		-122		dBc/Hz
Output Voltage Voh Vol RI = 50Ω – (Vdd - 2V)	Vdd - 1.025		Vdd - 1.62	V V
Rise / Fall Time Clock Rise (tr) Clock Fall (tf)		0.6 0.5	1.5 1.5	nS nS

Output Level: PECL

Packaging: Tape & Reel

Notes: Extended exposure exceeding maximum ratings may cause permanent damage and affect reliability. Operation outside of specifications is not supported.

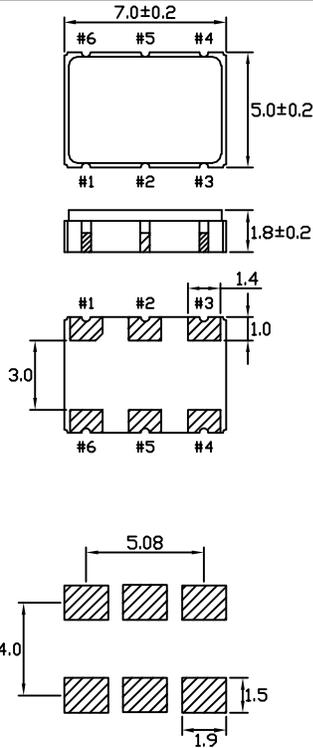
Cardinal Components, Inc., 155 Rt. 46 W, Wayne, NJ. 07470 TEL: (973)785-1333 FAX: (973)785-0053
<http://www.cardinalxtal.com> **E-Mail: cardinal@cardinalxtal.com**

Specifications subject to change without notice. Check website for latest updates



CARDINAL COMPONENTS

C3FSE

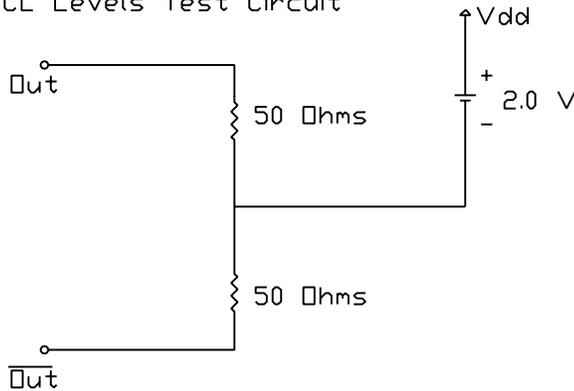


PIN	FUNCTION
1	N/C
2	OE
3	GND
4	PECL +
5	PECL -
6	Vdd

DIMENSIONS ARE IN MM

LEVELS TEST CIRCUIT

PECL Levels Test Circuit



OUTPUT SKEW

PECL Output Skew

