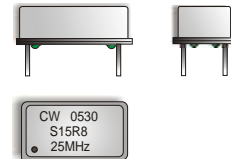


5.0V HCMOS/TTL COMPATIBLE 14 PIN DIP CRYSTAL CLOCK OSCILLATOR



S13R8, S14R8,
S15R8, S16R8

ABSOLUTE MAXIMUM RATINGS

TABLE 1.0

PARAMETER	UNITS	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
Storage Temperature		-55	-	125	°C	
Supply Voltage	(Vcc)	-0.5	-	7.0	Vdc	

MODEL SPECIFICATIONS:

MODEL S13R8

TABLE 2.0

PARAMETER	UNITS	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
Frequency Range	(Fo)	1.0	-	80	MHz	
Frequency Tolerance:		-25	-	25	ppm	1
Operating Temperature Range		0	-	70	°C	

MODEL S14R8

PARAMETER	UNITS	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
Frequency Range	(Fo)	1.0	-	80	MHz	
Frequency Tolerance:		-50	-	50	ppm	1
Operating Temperature Range		0	-	70	°C	

MODEL S15R8

PARAMETER	UNITS	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
Frequency Range	(Fo)	1.0	-	80	MHz	
Frequency Tolerance:		-100	-	100	ppm	1
Operating Temperature Range		0	-	70	°C	

MODEL S16R8

PARAMETER	UNITS	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
Frequency Range	(Fo)	1.0	-	80	MHz	
Frequency Tolerance:		-100	-	100	ppm	1
Operating Temperature Range		-40	-	85	°C	

OPERATING SPECIFICATIONS

TABLE 3.0

PARAMETER	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
Supply Voltage	(Vdd)	4.5	5.0	5.5	Vdc
Supply Current	1.0 to 24.999 MHz	(Icc)	-	25	mA
	25 to 49.999 MHz	(Icc)	-	45	mA
	50 to 80.000 MHz	(Icc)	-	60	mA

TTL OUTPUT CHARACTERISTICS

TABLE 4.0

PARAMETER	MINIMUM	NOMINAL	MAXIMUM	UNITS	NOTE
LOAD	-	-	10	TTL Loads	
Voltage	(Voh)	2.4	-	-	Vdc
	(Vol)	-	-	0.5	Vdc
Current	(Ioh)	-16	-	-	mA
	(Iol)	-	-	16	mA
Duty Cycle measured at 50% of Vcc	45	50	55	%	
Rise / Fall Time measured at 10% to 90%	-	4	5	nS	
Start-Up Time	-	3	10	mS	
Jitter (BW=10Hz to 20MHz)	-	-	5	ps rms	
Jitter (BW=12kHz to 20MHz)	-	-	1	ps rms	

PACKAGE CHARACTERISTICS

TABLE 5.0

Package	Hermetically sealed metal package
---------	-----------------------------------

Note:

- Inclusive of calibration @ 25°C, frequency vs. temperature stability, supply voltage change, load change, shock and vibration, 10 years aging.

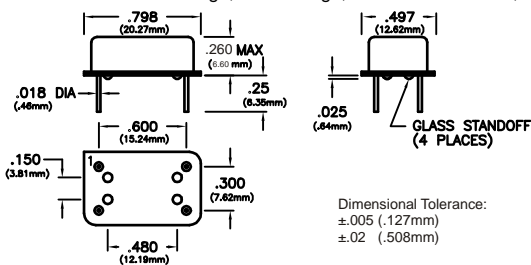


TABLE 6.0

Pad	Connection
1	N/C
7	Ground
8	Output
14	Vcc

ORDERING INFORMATION

S15R8 - 25.0MHz

CLOCK SERIES

CENTER FREQUENCY

Specifications subject to change without notice.

© Copyright 2001 Connor-Winfield all rights reserved.