

FN2670001

VER. B 17-May-18

VERSION HISTORY

Version No.	Version Date	Description	Notes
А	Apr.10,2014	Initial Release	
В	May.17,2018	Updated Logo	



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ELECTRICAL SPECIFICATIONS

SRe Part Number : FN2670001

Item	Symbol	Specifications	Units	Notes		
Nominal Frequency	Fo	26.796000	MHz			
Frequency Stability	FT	± 25	ppm	**See note		
Operating Temperature Range	TR	-40 to +85	°C			
Supply Voltage	V _{DD}	+2.5 ± 5.0%	V			
Logic Type	LT	LVCMOS				
Supply Current, Output Enabled	I _{DD} /OE	15	mA	Max.		
Supply Current, Output Disabled	I _{DD} /OD	10	μA	Max.		
Duty Cycle (Symmetry)	DC/SY	45 / 55	%	Measured 50% of Waveform		
Rise / Fall Time	T _R /T _F	10	ns	Max. measured 20/80% of Waveform		
Output Voltage "0" Level	V _{OL}	10% V _{DD}	V	Max.		
Output Voltage "1" Level	V _{OH}	90% V _{DD}	V	Min.		
Output Load	CL	15	pF	Мах		
Jitter, Phase	RMS	1.5	ps	Max, 12KHz ~ 5MHz Frequency Ba		
Jitter, Accumulated	RMS(1-σ)	5	ps	Max, 20,000 Consecutive Periods		
Jitter, Peak to Peak	Pk-Pk	50	ps	Max, 100,000 Random Periods		
Start Up Time		10	ms	Max		
Storage Temperature Range		-55 to +125	°C			

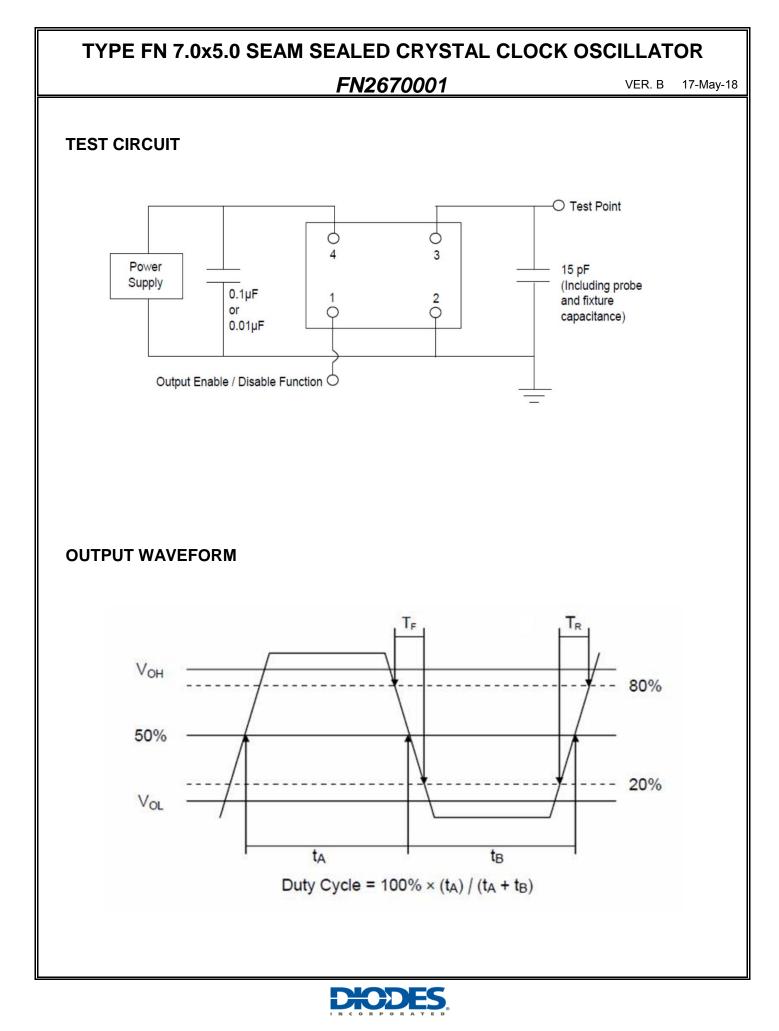
This product doesn't include harmful substance that stipulated by SONY SS-00259 Level 1 and S-AT2-001 Level 1 standard. RoHS Compliant (Pb - Free).

**Stability includes all combinations of Operating Temperature, Load changes, rated Input (Supply) Voltage changes, Initial Calibration Tolerance (25°C), Aging (1 year at 25°C Average Effective Ambient Temperature), Shock and Vibration.

Output Enable / Disable Function

Parameter		Тур.	Max.	Units	Notes
Input Voltage (Pin1), Output Enable	$0.7V_{DD}$			V	Or Open
Input Voltage (Pin1), Output Disable (low power standby)			$0.3V_{DD}$	V	Output is Hi-Z
Internal Pullup Resistance	30			KΩ	
Output Disable Delay			50	ns	





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RELIABILITY SPECIFICATIONS

ENVIRONMENTAL:

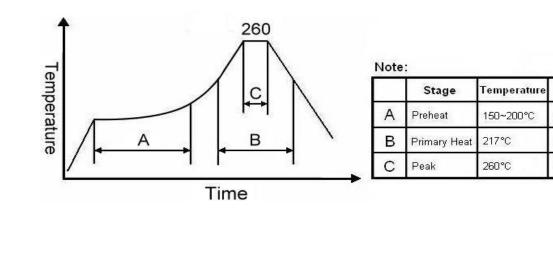
- a) THERMAL SHOCK: MIL-STD-883, Method 1011, Condition A
- b) MOISTURE RESISTANCE: MIL-STD-883, Method 1004
- c) VIBRATION: MIL-STD-883, Method 2007, Condition A
- d) RESISTANCE TO SOLDERING HEAT: J-STD-020D Table 5-2 Pb-free devices (except 2 cycles max)
- e) HAZARDOUS SUBSTANCE: Pb free and RoHS Compliant.

MECHANICAL:

- a) SHOCK: MIL-STD-883, Method 2002, Condition B
- b) SOLDERABILITY: JESD22-B102-D Method 2 (Preconditioning E)
- c) TERMINAL STRENGTH: MIL-STD-883, Method 2004, Test Condition D
- d) GROSS LEAK: MIL-STD-883, Method 1014, Condition C
- e) FINE LEAK: MIL-STD-883, Method 1014, Condition A2, R1=2x10⁻⁸ atm cc/s
- f) SOLVENT RESISTANCE: MIL-STD-202, Method 215

SUGGESTED IR REFLOW PROFILE

*As per IPC-JEDEC J-STD-020D



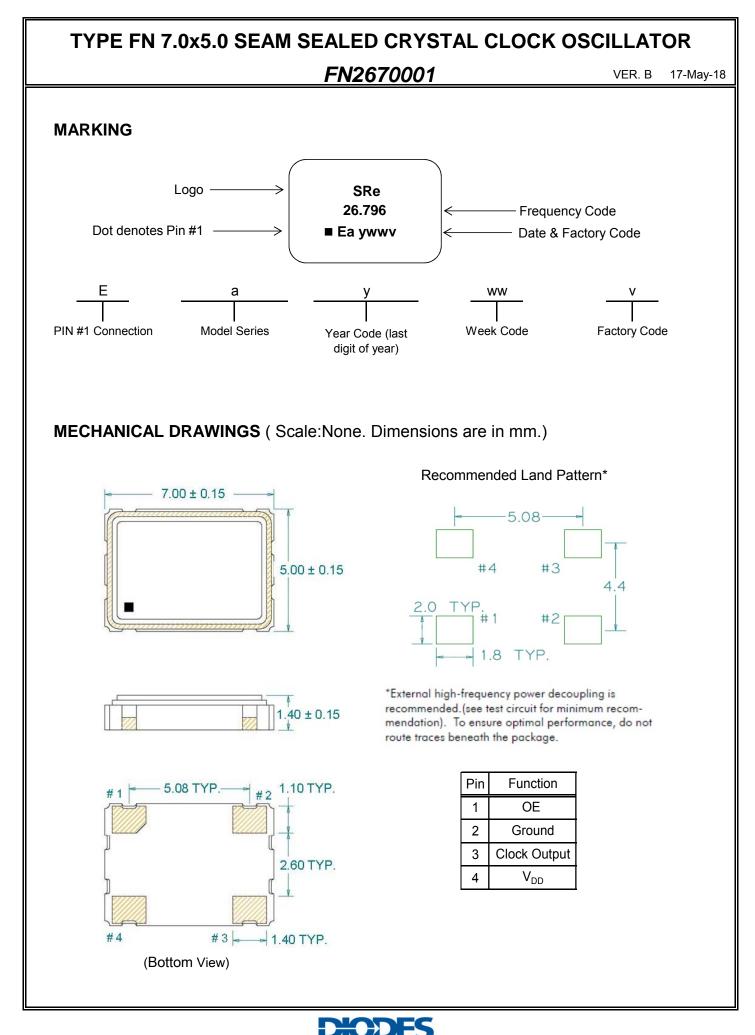


Time

60~120 Sec

60~150 Sec

10 Sec

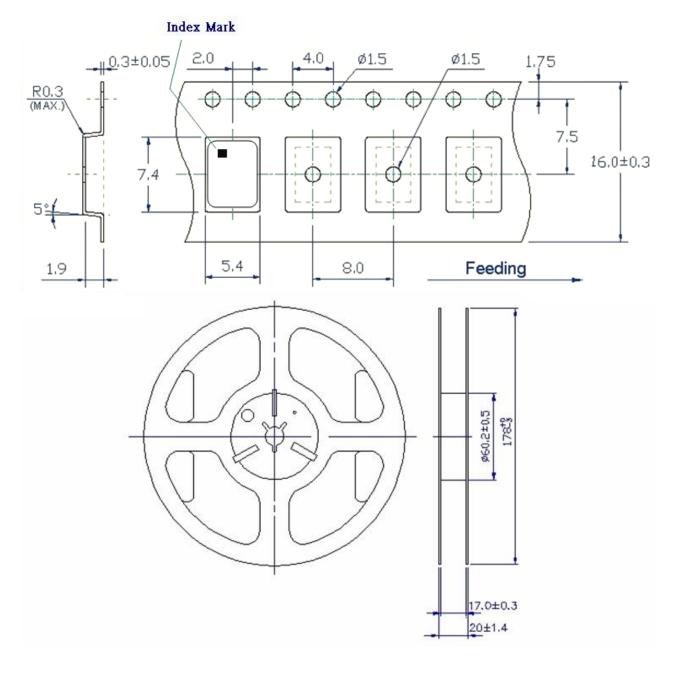


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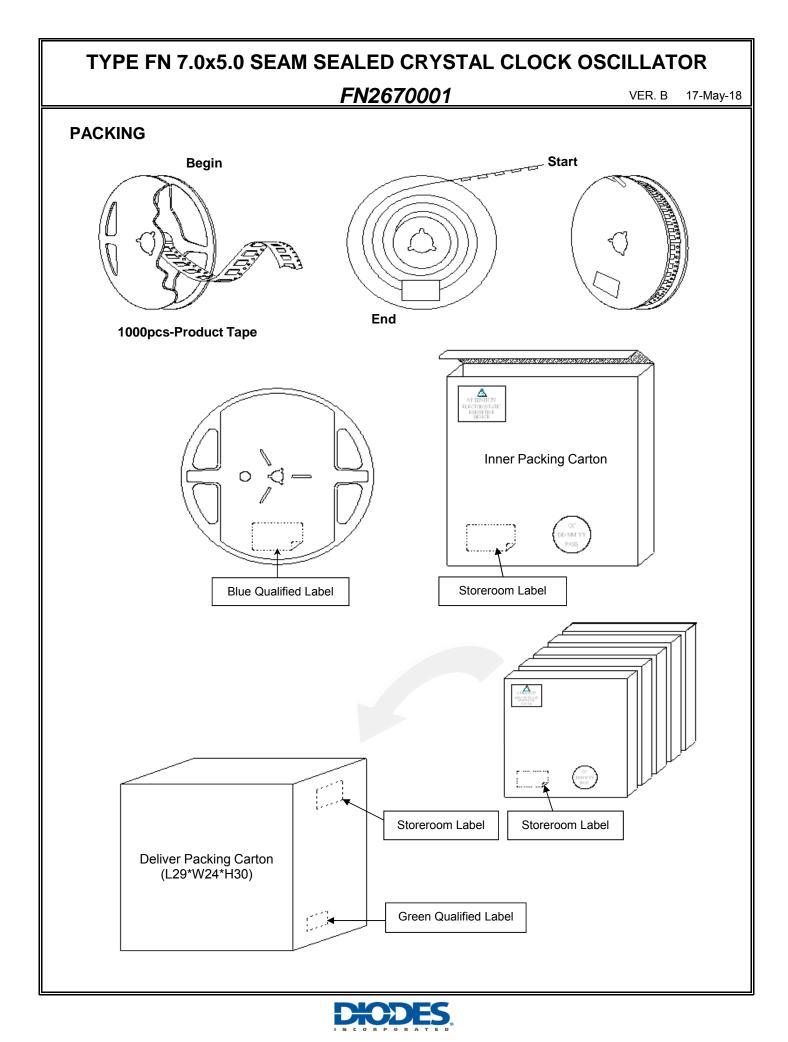
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TAPE&REEL



- 1. 230mm minimum leafer which consist of carrier and/or tape followed by a minimum of 160mm of empty carrier tape sealed with cover tape.
- 2. 160mm minimum trailer of empty carrier tape sealed with cover tape.





单击下面可查看定价,库存,交付和生命周期等信息

>>Diodes Incorporated(达迩科技(美台))