



SPECIFICATION FOR APPROVAL

CUSTOMER

NOMINAL FREQUENCY

PRODUCT TYPE

50.000000 MHz

TYPE PD 5.0x3.2 SEAM SEALED CRYSTAL CLOCK OSCILLATOR

SPEC. NO. (P/N)

CUSTOMER P/N

ISSUE DATE

VERSION

PD500009

March 18, 2019

В

APPROVED	PREPARED	QA			
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Diodes Incorporated

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*Pb-free *RoHS Compliant *HF-Halogen Free *REACH Compliant

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PD500009

VER. B 18-Mar-19

VERSION HISTORY

Version No.	Version Date	Description	Notes
А	Feb.2,2016	Initial Release	
В	Mar.18,2019	Updated logo	



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PD500009

VER. B 18-Mar-19

ELECTRICAL SPECIFICATIONS

SRe Part Number : PD5000009

Item	Symbol	Specifications	Units	Notes		
Nominal Frequency	Fo	50.000000	MHz			
Frequency Stability	FT	± 25	ppm	**See note		
Operating Temperature Range	TR	-40 to +85	°C			
Supply Voltage	V _{CC}	+3.3 ± 10.0%	V			
Logic Type	LT	LVPECL				
Supply Current, Output Enabled	I _{CC} /OE	80	mA	Max.		
Supply Current, Output Disabled	I _{CC} /OD	30	uA	Max.		
Duty Cycle (Symmetry)	DC/SY	45 / 55	%	Measured 50% of Waveform		
Rise / Fall Time	T _R /T _F	0.7	ns	Max. measured 20/80% of Waveform		
Output Voltage "0" Level	V _{OL}	V _{CC} -1.620V	V	Max.		
Output Voltage "1" Level	V _{OH}	V _{CC} -1.025V	V	Min.		
Output Load		50 Ω to $~V_{CC}$ -2V				
Jitter, Phase	RMS	0.7	ps	Max. 12KHz ~ 20MHz Frequency Band		
Jitter, Accumulated	RMS(1-σ)	4	ps	Typ. 20,000 Consecutive Periods		
Jitter, Peak to Peak	Pk-Pk	40	ps	Max. 100,000 Random Periods		
Start Up Time		10	ms	Max.		
Storage Temperature Range		-55 to +125	°C			

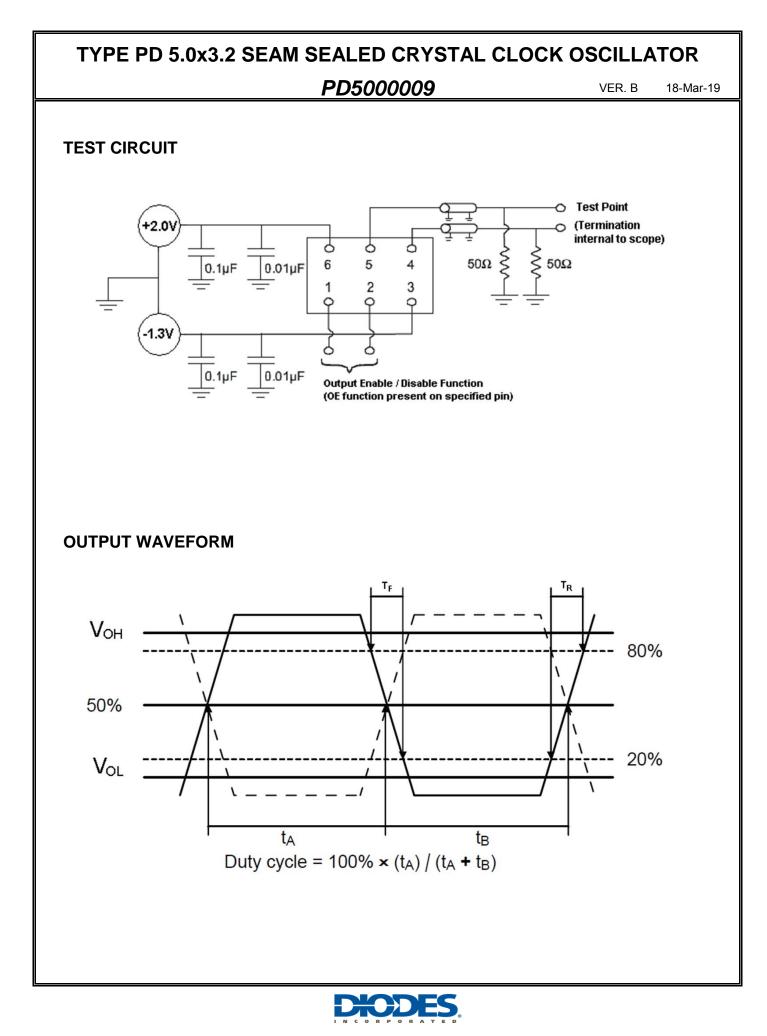
This product doesn't include harmful substance that stipulated by SONY SS-00259 Level 1 and S-AT2-001 Level 1 standard. RoHS Compliant (Pb - Free).

**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	Min.	Тур.	Max.	Units	Notes
Input Voltage (Pin1), Output Enable	$0.7V_{CC}$			V	Or Open
Input Voltage (Pin1), Output Disable (low power standby)			$0.3V_{CC}$	V	Output is Hi-Z
Output Disable Delay			200	ns	
Output Enable Delay			2	ms	



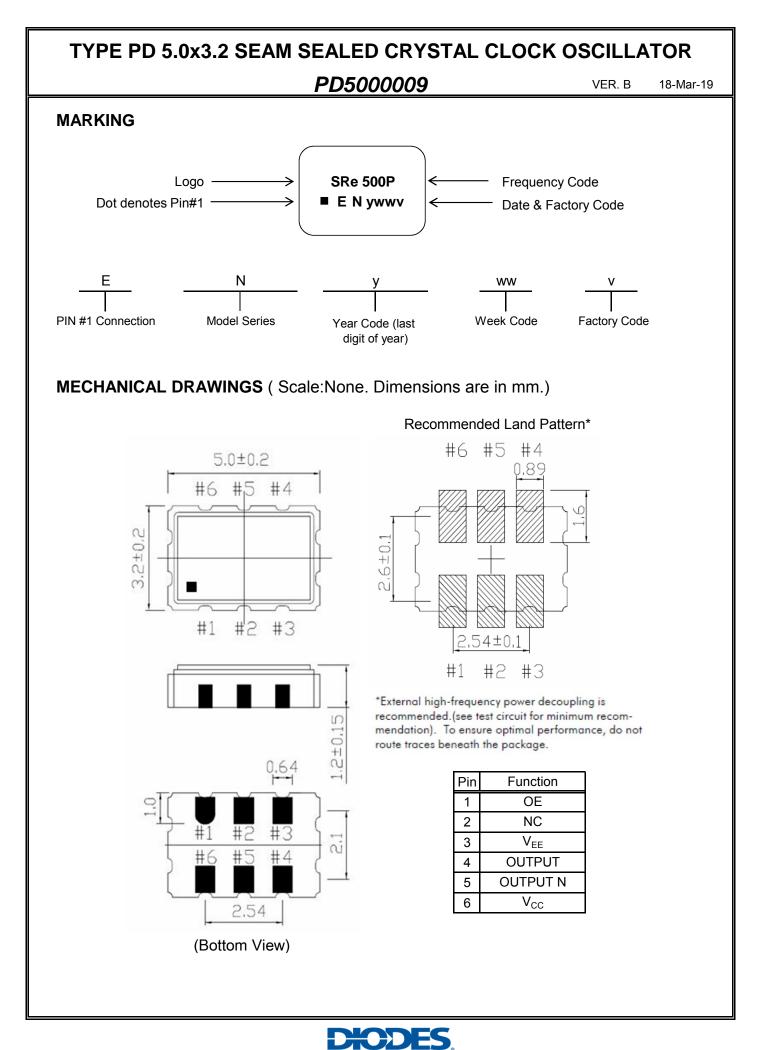


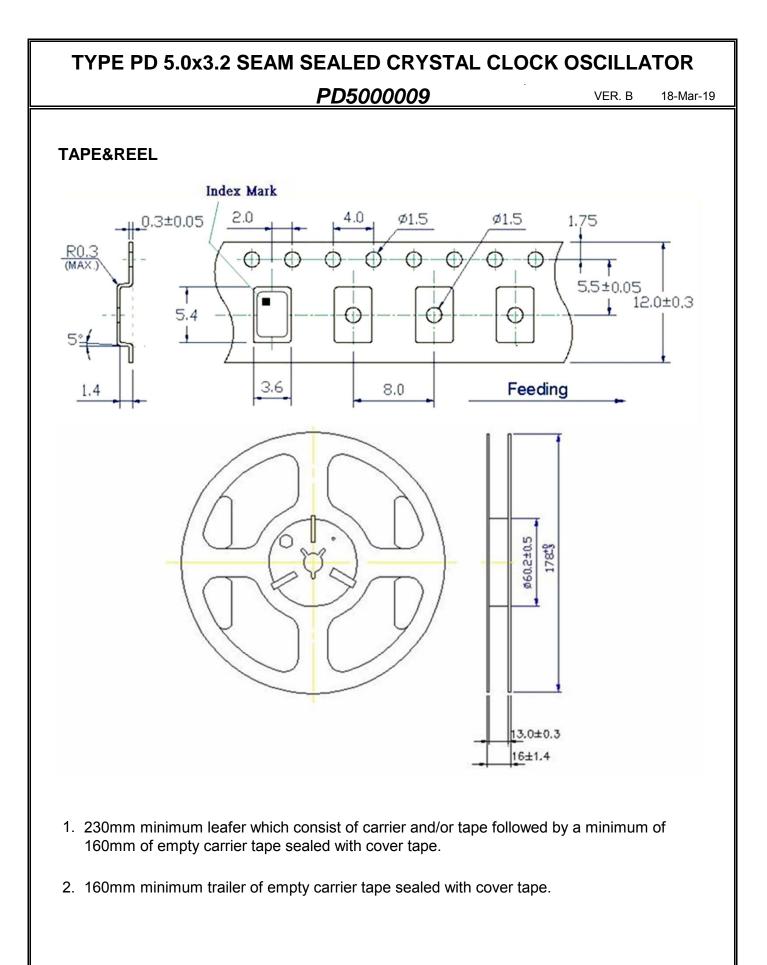
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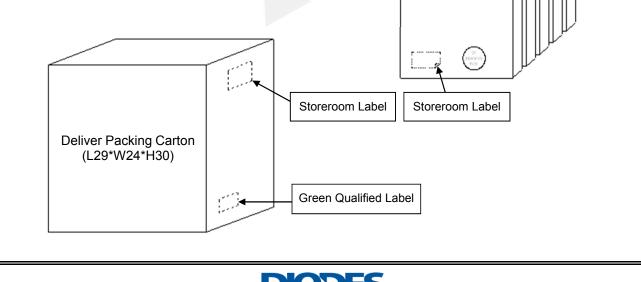








TYPE PD 5.0x3.2 SEAM SEALED CRYSTAL CLOCK OSCILLATOR PD500009 VER. B 18-Mar-19 PACKING Begin ---- Start End 500pcs-Product Tape unservation and a subservation of the subservation of the subservation of the subservation of the subservation a Δ Inner Packing Carton 0 Blue Qualified Label Storeroom Label A





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))