

Specifications

Parameters	Ratings/Units
Frequency	12.800 MHz
Frequency Stability ¹ :	±10PPM Max
Temperature Range: Operating (TOPR) Storage (TSTG)	-40°C ~ +85°C -40°C ~ +85°C
Supply Voltage (VDD)	3.3 V ±5%
Input Current (IDD)	7 mA Max
Output Symmetry (@ 50% VDD)	45% / 55%
Rise Time (10% ~ 90% VDD) (TR)	5 nS
Fall Time (90% ~ 10% VDD) (TF)	5 nS
Output Voltage (HCMOS) (VOL) (VOH)	10% VDD Max 90% VDD Max
Output Current (IOL) (IOH)	4 mA Min -4 mA Min
Output Load (HCMOS)	15 pF Max
Standby Current (VIL ≤ 30%VDD)	10 µA Max
Startup Time (Ts)	10 mS Max
Output Disable Time ²	250 nS Max
Output Enable Time ²	10 mS Max
Maximum Soldering Temperature / Time	260°C / 10 seconds
Moisture Sensitivity Level (MSL)	1
Termination Finish	Au

Enable/Disable Function ²	
Pin 1	Output (Pin 3)
Open	Active
'1' Level VIH ≥ 70%VDD	Active
'0' Level VIH ≤ 30%VDD	High Z

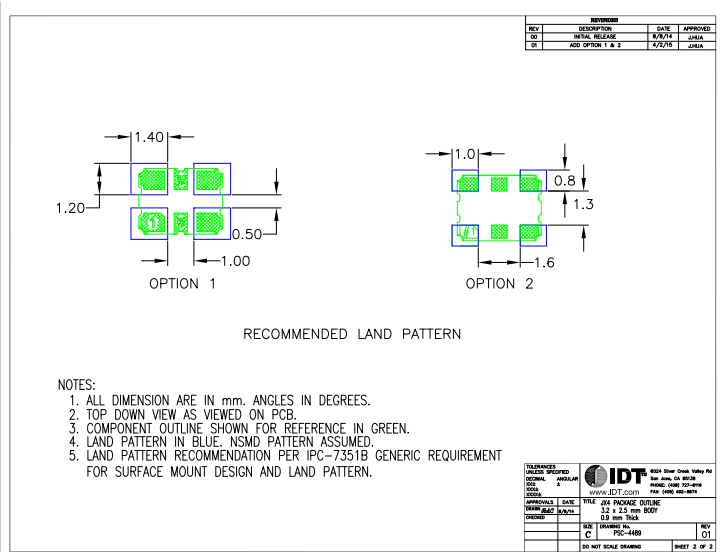
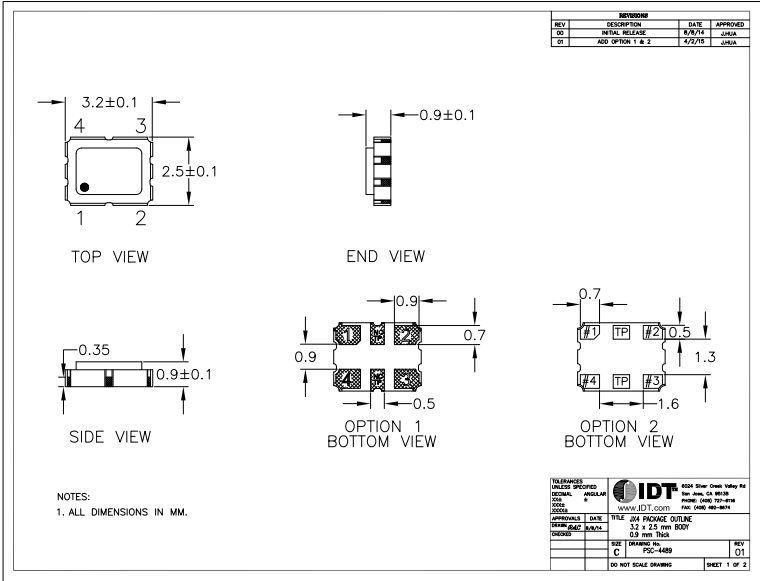
¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

² internal pullup resistor from pin 1 to pin 4 allows active output if pin 1 is left open.

Note: A 0.01µF bypass capacitor should be placed between VDD (Pin 4) and GND (Pin 2) to minimize power supply line noise.

Note: The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by IDT for inaccuracies. Dimensional drawing below is for reference to critical specifications defined by size measurements. Certain non-critical visual attributes, such as side castellations, reference pin shape, etc. may vary. All specifications subject to change without notice.

Package Outline and Dimensions (JX4)



Pin Assignments

Pin Number	Description
1	E/D
2	GND
3	Output
4	VDD

Ordering Information

Part / Order Number	Shipping Packaging	Package	Temperature
826A-12.8-1JX4I	Cut-Tape	3.2 x 2.5 x 0.9 mm JX4	-40° to +85°
826A-12.8-1JX4I8	Tape and Reel	3.2 x 2.5 x 0.9 mm JX4	-40° to +85°

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