imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





ASV SERIES

ESD Sensitive

(Pb) RoHS/RoHS II compliant

• Clock signaling for µProcessors, PC Motherboards & Graphic Cards

7.0 x 5.08 x 1.8 mm

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable

► APPLICATIONS:

FEATURES:

- HCMOS, 3.3Vdc, 2.5Vdc, & 1.8Vdc options
- Suitable for RoHS reflow
- Seam sealed package assures high reliability
- High output drive capability (up to 50pF)

STANDARD SPECIFICATIONS:

Paran	ieters	Minimum	Typical	Maximum	Units	Notes
Frequency Range		0.312		200	MHz	
Operating Temperature		-10		+70	°C	See options
Storage Temperature		-55		+125	°C	
Overall Frequency Stability		-100		+100	ppm	See options
Supply Voltage (Vdd)		+2.97	3.3	+3.63	V	See options
			2.0	10.0		0.312 ~ 14.9 MHz
Supply Current (Idd)			3.6	15.0		15.0 ~ 29.9 MHz
			5.6	20.0		30.0 ~ 39.9 MHz
			7.2	25.0		$40.0\sim 49.9~MHz$
			13.3	30.0	mA	50.0 ~ 59.9 MHz
			19.0	35.0		$60.0 \sim 79.9 MHz$
			20.2	45.0		80.0 ~ 99.9 MHz
			23.7	50.0		$100.0 \sim 125.0 MHz$
			27.2	65.0		125.1 ~ 165 MHz
Symmetry @ 1/2Vdd		40	50	60	%	See options
Rise and Fall Time (Tr/Tf)			3.0	5.0	ns	0.312 ~ 14.9 MHz
			2.8	4.0		15.0 ~ 29.9 MHz
			2.6	4.0		30.0 ~ 39.9 MHz
			2.4	4.0		40.0 ~ 49.9 MHz
			2.2	4.0		50.0 ~ 59.9 MHz
			2.2	4.0		60.0 ~ 79.9MHz
			2.0	4.0		80.0 ~ 99.9 MHz
			1.8	4.0		$100.0 \sim 125.0 MHz$
			1.5	4.0		125.1 ~ 165 MHz
Output Load				15	pF	See options
Output Voltage	V _{OH}	0.9 x Vdd			V	
	V _{OL}			0.4	V	









<u>k</u> ESD Sensitive

(Pb) RoHS/RoHS II compliant

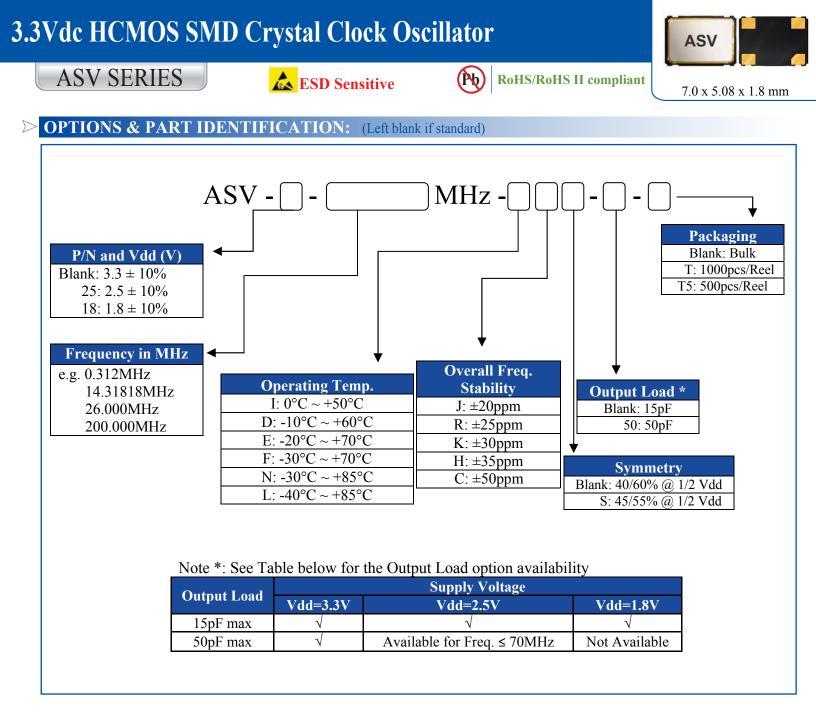
7.0 x 5.08 x 1.8 mm

(Continued)

Parameters	Minimum	Typical	Maximum	Units	Notes
		0.4	4.0		0.312 ~ 14.9 MHz
		0.4	4.0		$15.0 \sim 29.9 \text{ MHz}$
		2.0	4.0		30.0 ~ 39.9 MHz
		1.5	4.0		$40.0\sim 49.9~MHz$
Start-up Time		2.9	5.0	ms	50.0 ~ 59.9 MHz
		1.5	5.0		$60.0 \sim 79.9 MHz$
		1.3	5.0		80.0 ~ 99.9 MHz
		1.8	5.0		$100.0 \sim 125.0 MHz$
		2.7	5.0		125.1 ~ 165 MHz
Tri-state function		"1" (VIH≥0.7*Vdd) or Open: Oscillation "0" (VIL<0.3*Vdd) : Hi Z			
	,	2.5		ps	0.312 ~ 14.9 MHz
		3.2			15.0 ~ 29.9 MHz
		3.2			30.0 ~ 39.9 MHz
		3.2			$40.0\sim 49.9~MHz$
Period Jitter One Sigma (RMS):		3.2			50.0 ~ 59.9 MHz
		3.2			60.0 ~ 79.9MHz
		3.0			$80.0\sim99.9~MHz$
		2.9			100.0 ~ 125.0MHz
		2.9			125.1 ~ 165 MHz
Aging at 25°C (first year)	-5		+5	ppm	
Disable Current			10	uA	
Enable Time		3.5	5	ms	
Disable Time			100	ns	













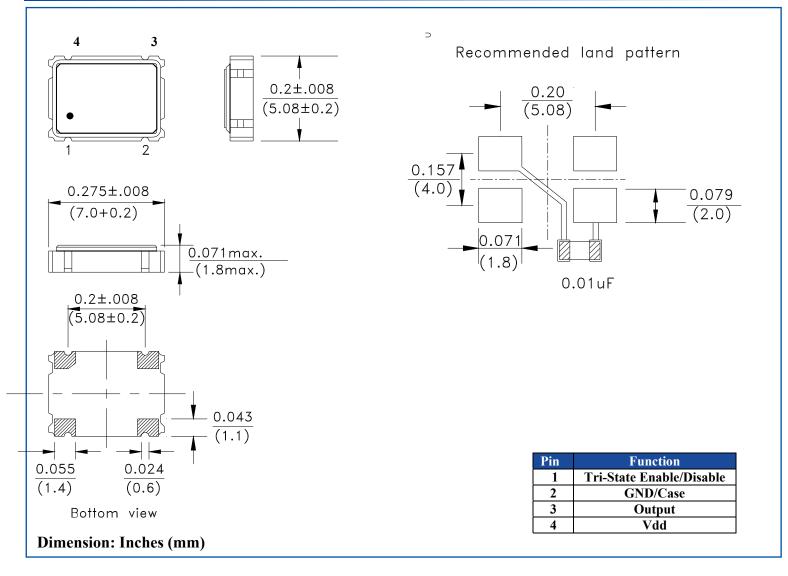


ESD Sensitive



7.0 x 5.08 x 1.8 mm

OUTLINE DIMENSION:









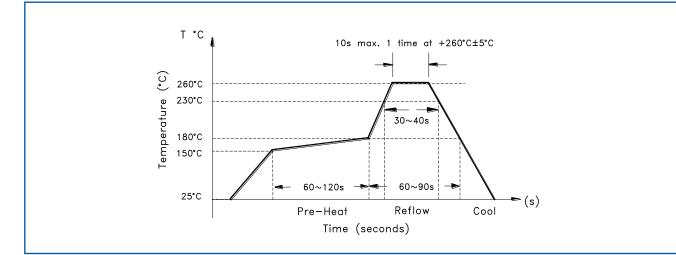


📩 ESD Sensitive



7.0 x 5.08 x 1.8 mm

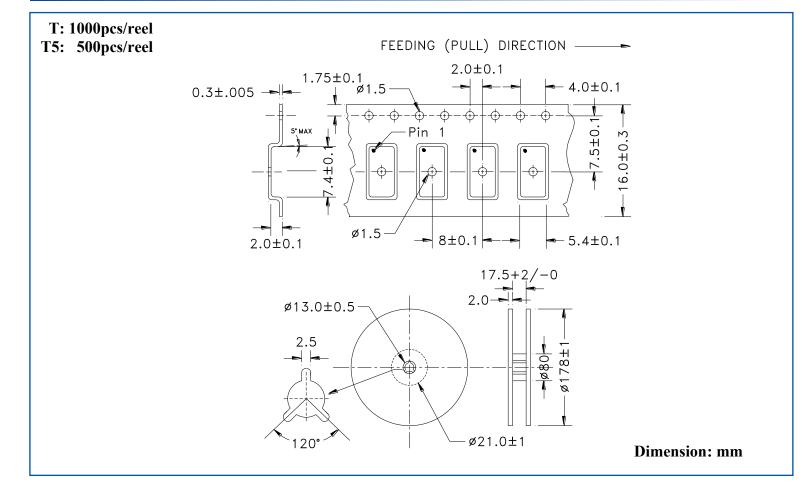
REFLOW PROFILE:



▷ TAPE & REEL:

ABRACON IS

ISO9001:2008 CERTIFIED



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

