

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!



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HALF SIZE DIP LOW VOLTAGE 5.0V CRYSTAL CLOCK OSCILLATOR









12.7 x 12.7 x 5.6mm

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

FEATURES:

- Wide frequency range.
- HCMOS and TTL compatible.
- Tight symmetry option.
- Tri-state Enable / Disable function.

APPLICATIONS:

- Microprocessors.
- Digital circuit.

STANDARD SPECIFICATIONS:

Parameters			Minimum	Typical	Maximum	Units	Notes
Frequency Range			0.032768		200.000	MHz	
Operating Temperature			0		+70	°C	See options
Storage Temperature			-55		+125	°C	
Overall Frequency Stability			-100		+100	ppm	See options
Supply Voltage (Vdd)			4.5	5.0	5.5	V	
	32.768kHz ~ 23.999MHz				30	mA	
Input Current	24.000MHz ~ 49.999MHz				45		
	50.000MHz ~ 79.999MHz				70		
	80.000MHz ~ 200.999MHz				85		
Symmetry (@ 1/2Vdd)	32.768kHz ~ 49.999MHz		45		55	%	See options
	50.000MHz ~ 200.000MHz		40		60		
Rise and Fall Time (Tr/Tf)	32.768kHz ~ 1.999MHz				40	ns	
	2.000MHz ~ 24.000MHz				10		
	24.001MHz ~ 200.000MHz				5		
Output Load	32.768kHz ~ 79.999MHz				15	pF TTL pF TTL	See options
					10		
	80.000MHz ~ 200.000MHz				15		
					5		
Output Voltage VOH VOL		0.9*Vdd			V		
		VOL			0.1*Vdd	V	
Tri-state Function VIH		2.2			V	"1" or Open: Oscillation	
		VIL			0.8	V	"0": Output disable (Hi Z)
Output Enable time					4	ms	For option A only
Output Disable time					100	ns	For option A only
Start-up Time				1	10	ms	

^{*} Overall frequency stability includes initial tolerance and temperature stability.



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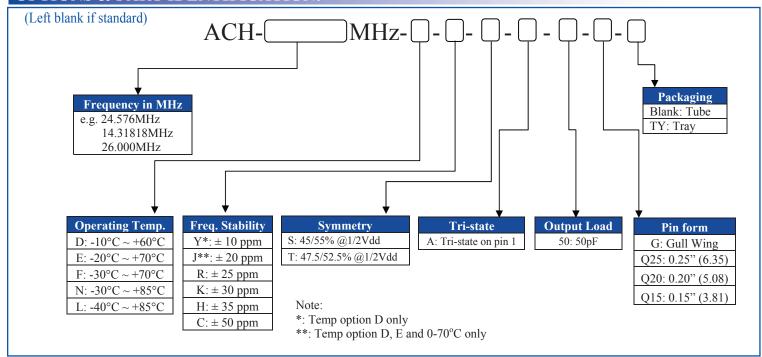
ACH Series



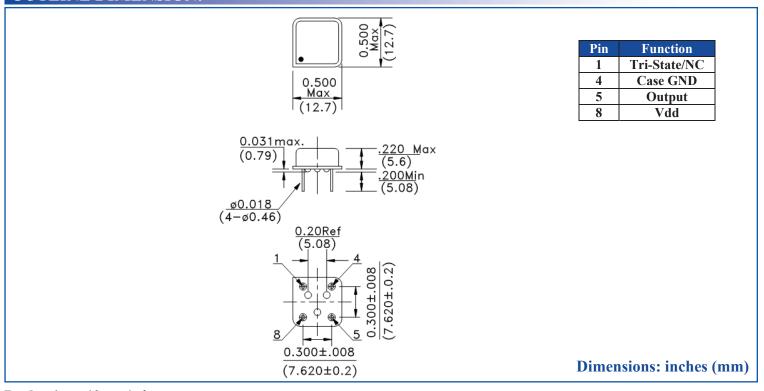


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> OPTIONS & PART IDENTIFICATION:



OUTLINE DIMENSION:



Packaging: 40pcs /tube

ATTENTION: Abracon 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 is required. Please contact Abracon for more information.

