3.3V HCMOS/ TTL COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR

ASFL1





5.0 x 3.2 x 1.3mm

FEATURES:

- Tri state function
- Suitable for high density SMT
- Available tight stability option +/-20ppm
- Seam sealed package assures high reliability performance
- Suitable for RoHS compliant reflow process

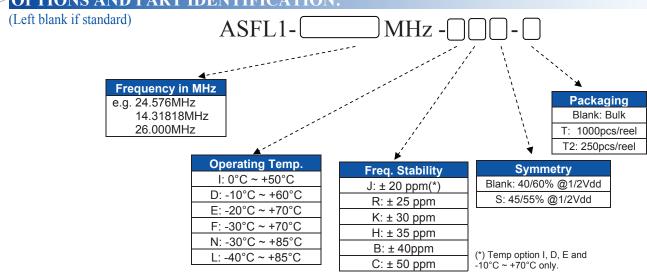
> APPLICATIONS:

- CCD clock for VTR camera
- Equipment connected to PC or PC cards
- Thin equipment
- Wireless communication
- PDA, Laptop computer

STANDARD SPECIFICATIONS:

Parameters			Minimum	Typical	Maximum	Units	Notes
Frequency Range			0.321		133.33	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	
Input Current	0.321MHz ~ 29.9MHz			8	15	mA	
	30MHz ~ 79.9MHz			20	45		
	80MHz	~ 133.33MHz		28	85		
Symmetry (@ 1/2Vdd)			40	50	60	%	See options
Rise and Fall Time (Tr/Tf)	0.321MHz ~ 29.9MHz			5	10	ns	
	30MHz ~ 79.9MHz			5	7		
	80MHz ~ 133.33MHz			3	7		
Ontrot I and					15	pF	
Output Load				5	TTL		
Output Voltage VOH VOL		0.9*Vdd			V		
		VOL			0.1*Vdd	V	
Tri-state Function VIH		0.7*Vdd			V	"1" or Open: Oscillation	
		VIL			0.3*Vdd	V	"0": Ouput disable (Hi Z)
Disable Current				10	μΑ		
Start-up Time	0.321MHz ~ 29.9MHz			1	10	ms	
	30MHz ~ 79.9MHz			3	10		
	80MHz ~ 133.33MHz			3	10		
Phase Jitter RMS (12kHz to 20MHz)					1	ps	Reference only. Please contact Abracon for specific frequencies
Aging			-5.0		+5.0	ppm	@+25°C First year

> OPTIONS AND PART IDENTIFICATION:







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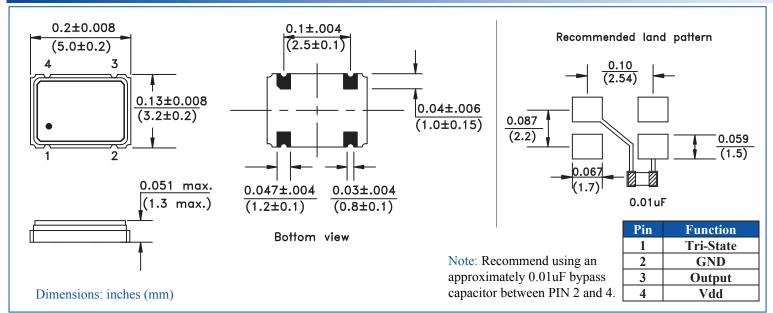
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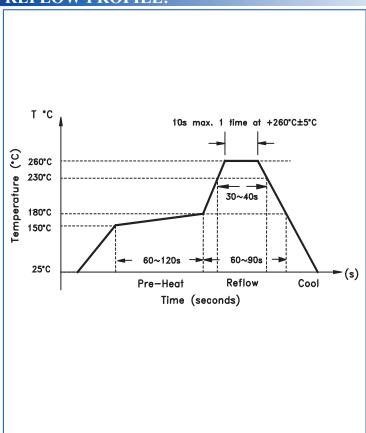
OUTLINE DRAWING:



►TAPE & REEL:

T= Tape and reel (1,000pcs/reel) FEEDING (PULL) DIRECTION 0.3±.005 1.75±0.1 2.0±0.1 PIN1 PIN1 PIN1 12.4+2/-0 3.0±0.5 12.4+2/-0 3.0±0.5

REFLOW PROFILE:



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