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

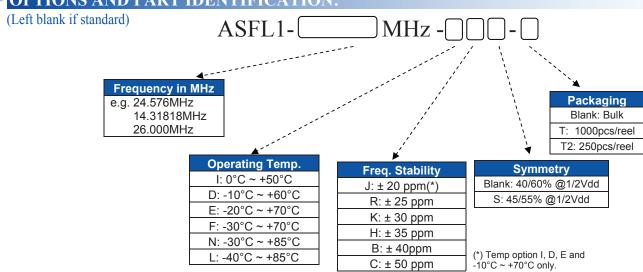
> APPLICATIONS:

- 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	
_	$30 MHz \sim 79.9 MHz$			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		
Output Load				15	pF		
				5	TTL		
Output Voltage VOH VOL			0.9*Vdd			V	
		VOL			0.1*Vdd	V	
Tri-state Function VIH		VIH	0.7*Vdd			V	"1" or Open: Oscillation
		VIL			0.3*Vdd	V	"0": Ouput disable (Hi Z)
Disable Current				10	μA		
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:







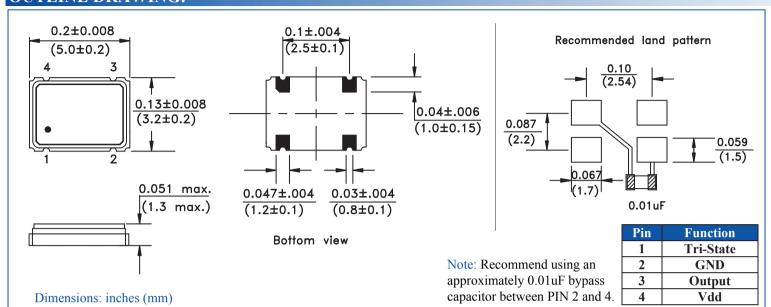
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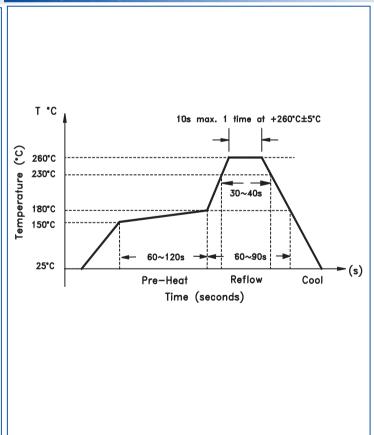


OUTLINE DRAWING:



►TAPE & REEL:

REFLOW PROFILE:



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Mouser Electronics

Authorized Distributor

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ABRACON:

ASFL1-14.31818MHZ-EK-T ASFL1-4.000MHZ-EK-T ASFL1-16.000MHZ-EK-T ASFL1-32.000MHZ-EK-T ASFL1-12.000MHZ-EK-T ASFL1-11.0592MHZ-EK-T ASFL1-8.000MHZ-EK-T ASFL1-48.000MHZ-EK-T ASFL1-33.333MHZ-EK-T ASFL1-25.000MHZ-EK-T ASFL1-3.6864MHZ-EK-T ASFL1-10.000MHZ-EK-T ASFL1-40.000MHZ-EK-T ASFL 24.576MHZ-EK-T ASFL1-20.000MHZ-EK-T ASFL1-50.000MHZ-EK-T ASFL1-30.000MHZ-EK-T ASFL1-27.000MHZ-EK-T ASFL1-18.432MHZ-EK-T ASFL1-1.8432MHZ-EK-T ASFL1-14.7456MHZ-EK-T ASFL1-24.000MHZ-EK-T ASFL1-33.000MHZ-EK-T ASFL1-7.3728MHZ-EK-T ASFL1-18.432MHZ-LC-T ASF1-3.686MHZ-N-K-S ASFL1-100.000MHZ-E-K ASFL1-48.00000MHZ-L-C-T ASFL1-1.8432MHZ-L-T ASFL1-10.000MHZ-L-T ASFL1-100.000MHZ-L-T ASFL1-11.0592MHZ-L-T ASFL1-12.000MHZ-L-T ASFL1-12.288MHZ-L-T ASFL1-14.31818MHZ-L-T ASFL1-14.7456MHZ-L-T ASFL1-16.000MHZ-L-T ASFL1-16.384MHZ-L-T ASFL1-18.432MHZ-L-T ASFL1-20.000MHZ-L-T ASFL1-24.000MHZ-L-T ASFL1-24.576MHZ-L-T ASFL1-25.000MHZ-L-T ASFL1-27.000MHZ-L-T ASFL1-29.4912MHZ-L-T ASFL1-3.6864MHZ-L-T ASFL1-30.000MHZ-L-T ASFL1-32.000MHZ-L-T ASFL1-32.768MHZ-L-T ASFL1-33.333MHZ-L-T ASFL1-35.328MHZ-L-T ASFL1-4.000MHZ-L-T ASFL1-40.000MHZ-L-T ASFL1-48.000MHZ-L-T ASFL1-50.000MHZ-L-T ASFL1-60.000MHZ-L-T ASFL1-64.000MHZ-L-T ASFL1-66.666MHZ-L-T ASFL1-7.3728MHZ-L-T ASFL1-75.000MHZ-L-T ASFL1-8.000MHZ-L-T ASFL1-80.000MHZ-L-T ASFL1-16.384MHZ-EK-T ASFL1-32.768MHZ-EK-T ASFL1-29.4912MHZ-EK-T ASFL1-106.250MHZ-E-K ASFL1-12.288MHZ-EK-T ASFL1-125.000MHZ-EK-T ASFL1-80.000MHZ-EK-T ASFL1-33.330MHZ-EK-T ASFL1-35.325MHZ-EK-T ASFL1-60.000MHZ-EK-T ASFL1-75.000MHZ-EK-T ASFL1-66.666MHZ-EK-T ASFL1-64.000MHZ-EK-T ASFL1-1.8432MHZ-EC-T ASFL1-10.000MHZ-EC-T ASFL1-100.000MHZ-EC-T ASFL1-106.250MHZ-EC-T ASFL1-11.0592MHZ-EC-T ASFL1-12.000MHZ-EC-T ASFL1-12.288MHZ-EC-T ASFL1-125.000MHZ-EC-T ASFL1-133.330MHZ-EC-T ASFL1-14.31818MHZ-EC-T ASFL1-14.7456MHZ-EC-T ASFL1-16.000MHZ-EC-T ASFL1-16.384MHZ-EC-T ASFL1-18.432MHZ-EC-T ASFL1-20.000MHZ-EC-T ASFL1-24.000MHZ-EC-T ASFL1-24.576MHZ-EC-T ASFL1-25.000MHZ-EC-T ASFL1-27.000MHZ-EC-T ASFL1-29.4912MHZ-EC-T ASFL1-3.6864MHZ-EC-T ASFL1-30.000MHZ-EC-T ASFL1-32.000MHZ-EC-T ASFL1-32.768MHZ-EC-T ASFL1-33.333MHZ-EC-T