

2.5V HCMOS / TTL COMPATIBLE SMD CRYSTAL CLOCK OSCILLATOR

ASFL2



RoHS
Compliant



5.0 x 3.2 x 1.4 mm

FEATURES:

- Tri state function
- Suitable for high density SMT
- Tight stability option $\pm 25\text{ppm}$ $-40 \sim +85^{\circ}\text{C}$
- Seam sealed package assures high reliability
- Suitable for RoHS compliant reflow

APPLICATIONS:

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

STANDARD SPECIFICATIONS:

Parameters		Minimum	Typical	Maximum	Units	Notes
Frequency Range		0.321	----	125.00	MHz	
Operating Temperature		-10	----	+70	$^{\circ}\text{C}$	See options
Storage Temperature		-55	----	+125	$^{\circ}\text{C}$	
Overall Frequency Stability		-100	----	+100	ppm	See options
Supply Voltage (Vdd)		2.25	2.5	2.75	V	
Input Current	0.321MHz ~ 29.9MHz	----	----	15	mA	
	30MHz ~ 79.9MHz	----	----	45		
	80MHz ~ 125.00MHz	----	----	85		
Symmetry (@ 1/2Vdd)		40	50	60	%	See options
Rise and Fall Time (Tr/Tf)		----	----	200	ns	0.321 ~ 1.0MHz
		----	----	10	ns	1.0 ~ 125MHz
Output Load		----	----	15	pF	
		----	----	5	TTL	
Output Voltage	VOH	$0.9 \cdot V_{\text{dd}}$	----	----	V	
	VOL	----	----	$0.1 \cdot V_{\text{dd}}$	V	
Tri-state Function	VIH	$0.7 \cdot V_{\text{dd}}$	----	----	V	"1" or Open: Oscillation
	VIL	----	----	$0.3 \cdot V_{\text{dd}}$	V	"0": Output disable (Hi Z)
Start-up Time		----	----	30	ms	0.321 ~ 1.0MHz
		----	----	10	ms	1.0 ~ 125MHz
Aging		-5.0	----	+5.0	ppm	@+25 $^{\circ}\text{C}$ First year

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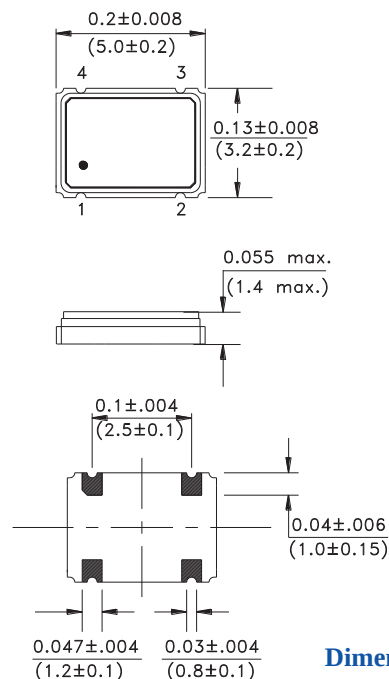


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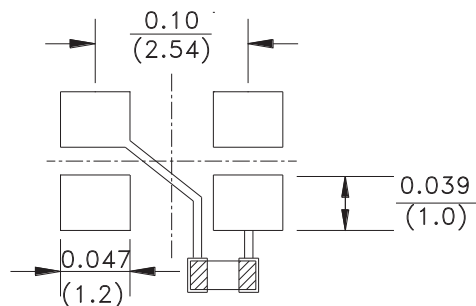
5.0 x 3.2 x 1.4 mm

OUTLINE DRAWING:



Dimensions: inches (mm)

Recommended land pattern



0.01 μ F

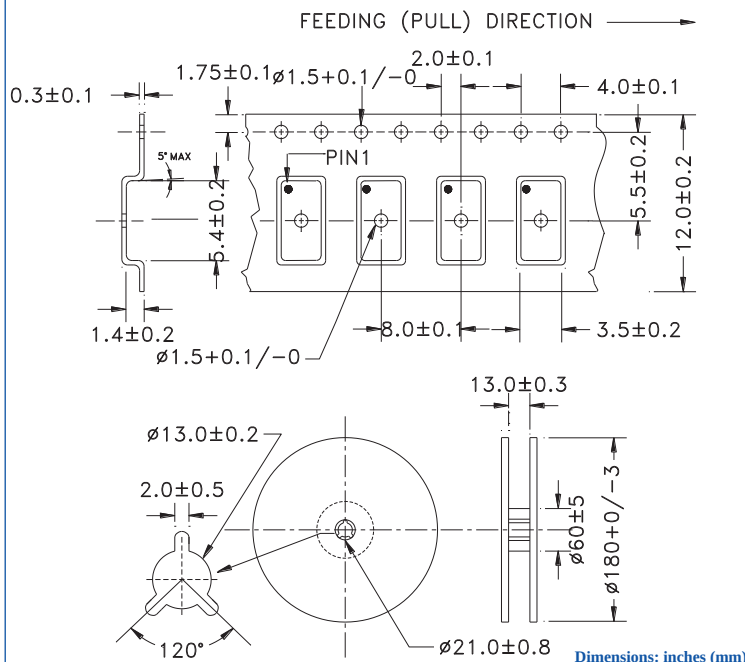
Note: Recommend using an approximately 0.01 μ F bypass capacitor between PIN 2 and 4.

Pin	Function
1	Tri-State
2	GND
3	Output
4	Vdd

TAPE & REEL:

T= Tape and reel (1,000pcs/reel)

T2= Tape and reel (250pcs/reel)



REFLOW PROFILE

