2.5V / 3.3Vdc PROGRAMMABLE SPREAD SPECTRUM LOW EMI CLOCK OSCILLATOR



ASSFLP SERIES

ESD Sensitive (Pb) RoHS / RoHS II Compliant

APPLICATIONS:

• Digital camera

• Laptop computer

• Wireless LAN

• Mobile phone

• Printer

• Flat TV

5.0 x 3.2 x 1.3 mm

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

FEATURES:

- Spread Spectrum LOW EMI Oscillator
- 5.0 x 3.2 x 1.3mm Ceramic package
- Tri-state function
- Suitable for RoHS reflow profile
- Seam sealed ceramic package assures high reliability.

STANDARD SPECIFICATIONS:

Key Electrical Specifications (Die IC's Part Number PL671-00-A5)

Parameters			Minimum	Typical	Maximum	Units	Notes
Frequency Range:			8		160	MHz	
Spread Spectrum Type		Center Spread	±0.25 typ. ~ ±2.0 typ. -0.5 typ. ~ -4.0 typ.			%	See table 3 for options
		Down Spread					
EMI Reduction (Reduction is applied to		100MHz at C02	-7			- dBc	Refer to the dB level when no modulation.
the entire frequency spectrum)		100MHz at C04	-9				
Operating Temperature:			-40		+85	°C	
Storage Temperature:			-55		+125	°C	
Overall Frequency Stability*:			-50		+50	ppm	See options
Supply Voltage (Vdd):	$V_{dd} = 3.3V$		2.97	3.3	3.63	V	Standard
	, T	$V_{\rm dd} = 2.5 {\rm V}$	2.25	2.5	2.75	V	Option 1
Input Current:	8.000 to 49.999MHz			10	20	mA	$V_{dd} = 2.5V$
	50.000 to 79.999MHz			15	20		
	80.000 to 99.999MHz			20	25		
	100.0 to 160.0MHz			25	30		
	8.000 to 49.999MHz			15	20	mA	$V_{dd} = 3.3V$
	50.000 to 79.999MHz			20	25		
	80.000 to 99.999MHz			25	30		
	100.0 to 160.0MHz			30	40		
Symmetry:		45	50	55	%	@ 1/2Vdd, CL=15pF	
Rise and Fall Time (Tr/Tf)**:	8.000 to 49.999MHz			2.0	5.0	ns	$V_{dd} = 2.5V$
	50.000 to 79.999MHz			2.0	4.0		
	80.000 to 99.999MHz			1.5	3.0		
	100.0 to 160.0MHz			1.5	3.0		
	8.000 to 49.999MHz			3.0	10.0	ns	$V_{dd} = 3.3V$
	50.000 to 79.999MHz			2.5	8.0		
	80.000 to 99.999MHz			2.0	5.0		
	100.0 to 160.0MHz			1.5	4.0		
Output Load:					15	pF	CMOS
()utput Valtage:		VOH	0.9*Vdd			V	
		VOL			0.1*Vdd	V	
Start-up Time:				2.0	10	ms	
Tri-state function (Stand-by) :			"1" (VIH≥0.7*Vdd) or Open: Oscillation "0" (VIH<0.3*Vdd) : Hi Z				
Modulation carrier frequency (Dither rate)			Programmable dependant (15kHz to 120kHz)				
Aging:			-3.0		+3.0	ppm	@+25°C First year

* Frequency stability includes initial tolerance, temperature characteristics, load variation, and supply voltage variation,.





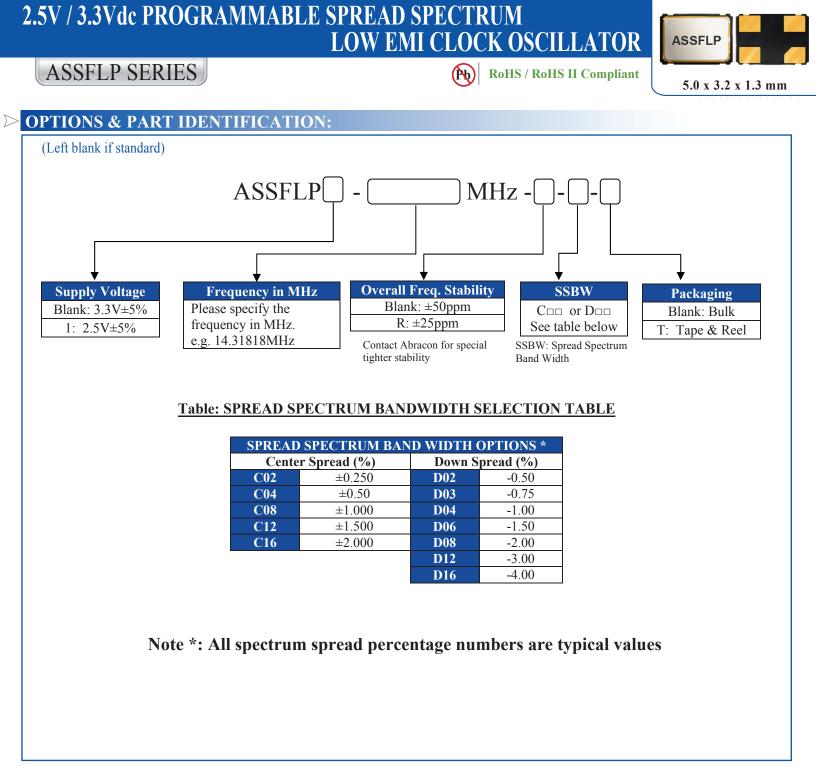
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• PDA

• LCD





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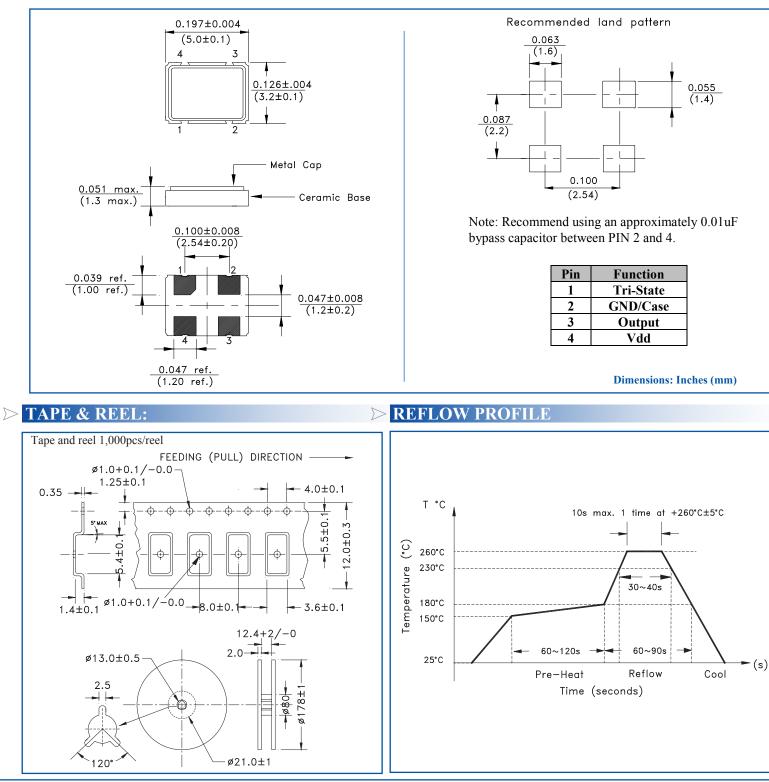


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(Pb) RoHS / RoHS II Compliant

5.0 x 3.2 x 1.3 mm

OUTLINE DRAWING:



Need a test socket for the ASSFLP Series? To view compatible **PRECISION TEST and BURN-IN SOCKET**for these parts, **click here.**

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