imall

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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



ASSFLP SERIES

ESD Sensitive 1800

(Pb) RoHS / RoHS II Compliant 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 Sprea		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	$V_{dd} = 3.3V$		2.97	3.3	3.63	V	Standard
(Vdd):	$V_{dd} = 2.5 V$		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
Output Voltage: VOH VOL		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,.





2 Faraday, Suite# B | Irvine | CA 92618 Revised: 04.28.15 Ph. 949.546.8000 | Fax. 949.546.8001 Visit www.abracon.com for Terms and Conditions of Sale

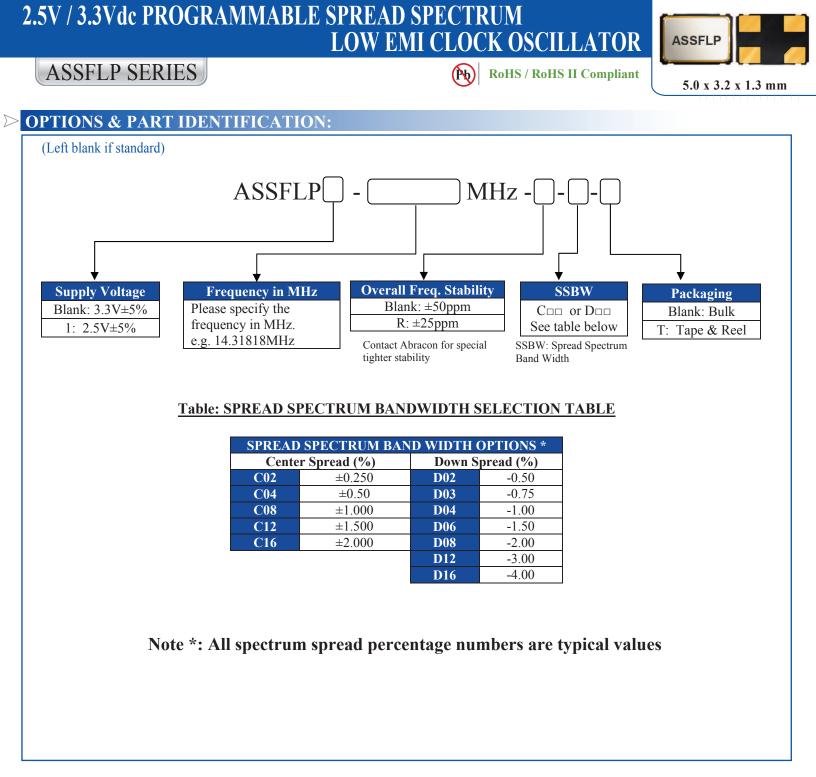
• Laptop computer • PDA

APPLICATIONS:

- LCD
- Digital camera
- Mobile phone

• Wireless LAN

• Printer • Flat TV Quick Turn Delivery! <5 Days for small quantities!





ABRACON IS

ISO9001:2008 CERTIFIED





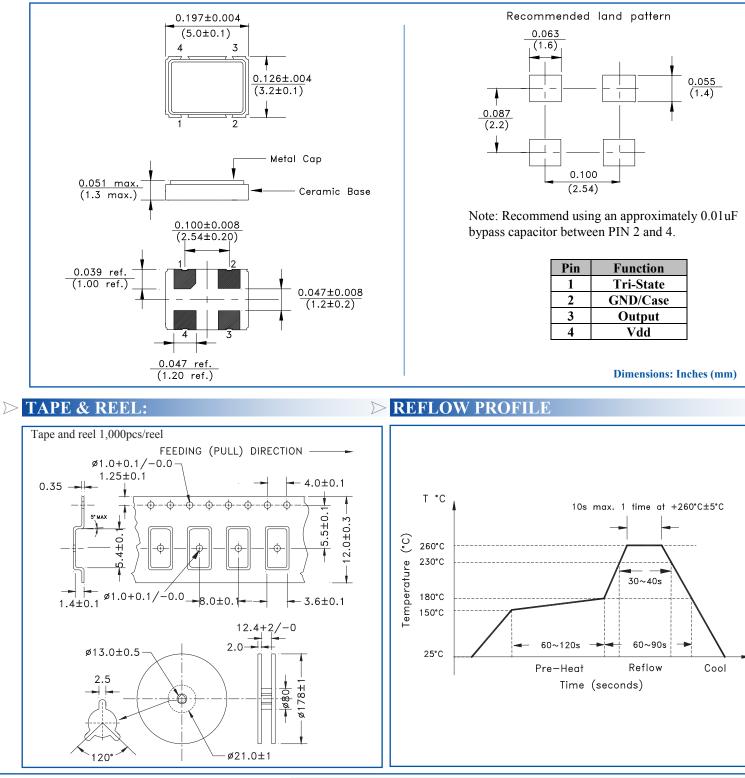
ASSFLP SERIES

(Pb) RoHS / RoHS II Compliant

5.0 x 3.2 x 1.3 mm

(s)





Need a test socket for the ASSFLP Series? To view compatible **PRECISION TEST** and **BURN-IN SOCKET** for these parts, click here. **ATTENTION:** Abracon Corporation's 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 Corporation is required. Please contact Abracon Corporation for more information.





2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 04.28.15** Ph. 949.546.8000 | Fax. 949.546.8001 Visit www.abracon.com for Terms and Conditions of Sale