

ECN/PCN No.: 4728

For Manufacturer

Product Description:
PLASTIC PACKAGE ULTRA MINIATURE
PURE SILICON™ CLOCK OSCILLATORS

Abrakon Part Number / Part Series:
ASFLMP

☐ Documentation only ☒ Series
☒ ECN ☐ Part Number
☐ EOL

Affected Revision:

I

New Revision:

J

Application:

☐ Safety
☒ Non-Safety

Prior to Change:

Enable Time:

Enable Time			20	ns	STD (Tri-state)
			5	ms	PD option (Power Down)

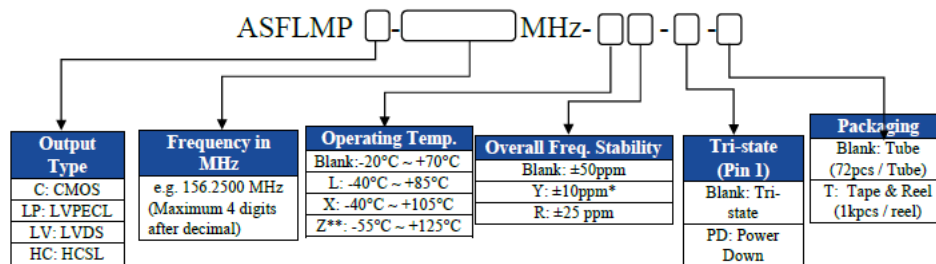
Disable Time:

Disable Current		20	22	mA	STD (Tri-state)
			0.095		PD option (Power Down)

Tri-state Function:

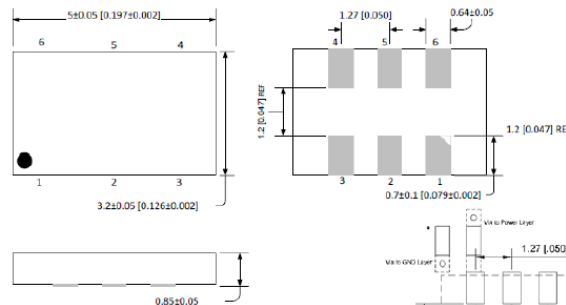
Tri-state Function (Standby/Disable)	"1" ($V_{IH} \geq 0.75 \cdot V_{DD}$) or Open: Oscillation "0" ($V_{IL} < 0.25 \cdot V_{DD}$): Hi Z	V	40k Ω pull-up resistor embedded
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Part Numbering Guide:



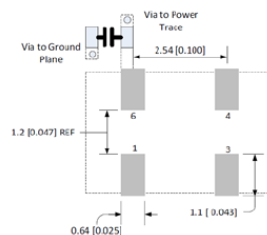
Mechanical Dimensions:

Mechanical Dimensions



Pin #	Function
1	Tri-state
2	NC
3	GND
4	Output
5	NC (CMOS)
6	Output (LVPECL, LVDS, CSL)
	Vdd

Recommended Land Pattern for LVPECL, LVDS, HCSL



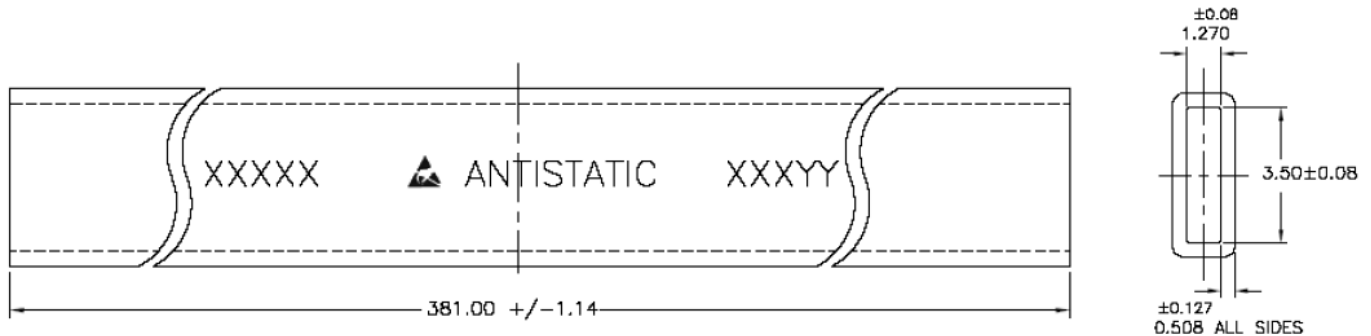
Note: Recommend using an approximately 0.01uF bypass capacitor between PIN 6 and 3

Dimensions: mm (inches)

recommended Land Pattern for CMOS

Tape and reel:

Tube: 72 pcs/tube



Unit orientation in tube:



After Change:

Enable Time: Removed power down function.

Enable Time:		20	ns	STD (Tri-state)
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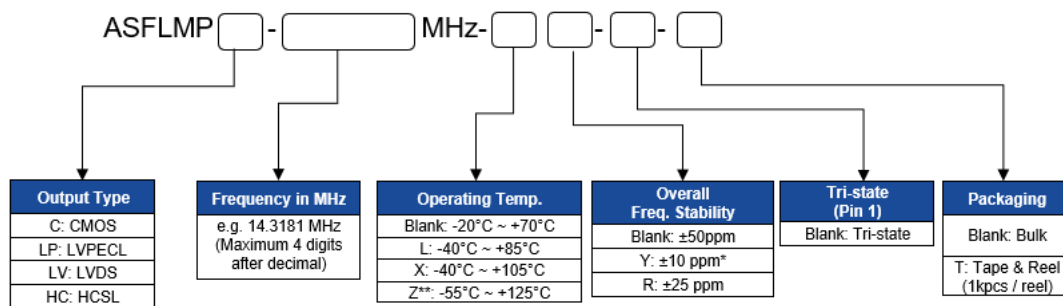
Disable Time: Removed power down function.

Disable Current		20	22	mA	STD (Tri-state)
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Tri-state Function:

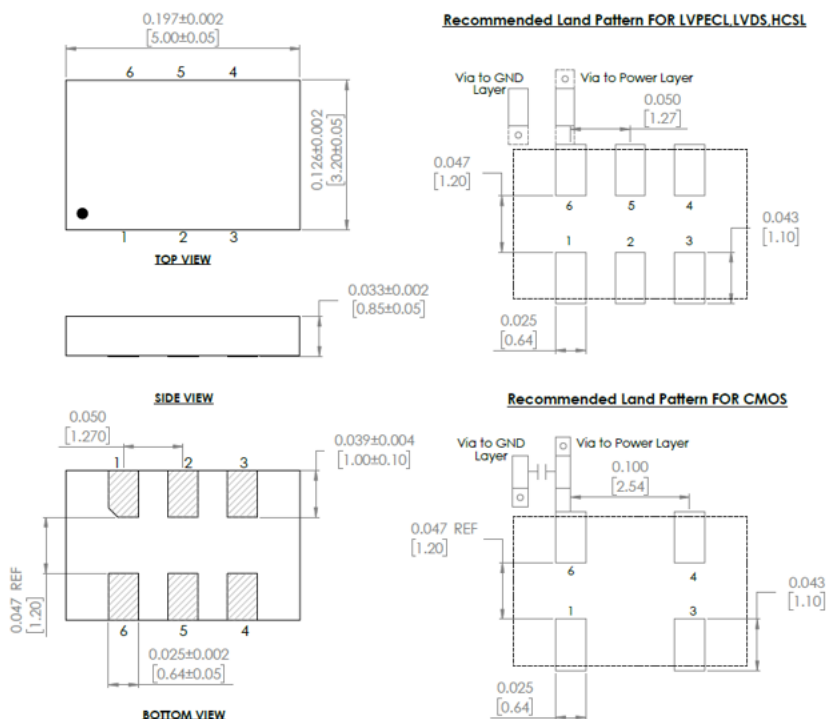
Tri-state Function (Enable/Disable)	"1" ($V_{IH} \geq 0.75 \cdot V_{dd}$) or Open: Oscillation "0" ($V_{IL} < 0.25 \cdot V_{dd}$): Hi Z	V	40K Ω pull-up resistor embedded
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Part Numbering Guide: (Replaced tube with bulk and removed power down option)



Revised Mechanical Dimensions:

Mechanical Dimensions



Tape and Reel: Removed tube option

Cause/Reason for Change:

Revised mechanical dimensions to comply with existing product configuration. Removed power down function. Removed blank = tube option.

Change Plan

Effective Date:

1/15/2025

Additional Remarks:

Change Declaration:

No changes to electrical or mechanical specifications.

Issued Date:

1/15/2025

Issued By:

Arturo Longoria

Issued Department:

Engineering

Approval:

Thomas Culhane
Engineering Director

Approval:

Reuben Quintanilla
Quality Director

Approval:

Ying Huang
Purchasing Director

For Abracon EOL only

Last Time Buy (if applicable):

N/A

Alternate Part Number / Part Series:

N/A

Additional Approval:

Additional Approval:

Additional Approval:

Customer Approval (If Applicable)

Qualification Status:

☐ Approved ☐ Not accepted

Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.

Customer Part Number:

Customer Project:

Company Name:	Company Representative:	Representative Signature:
Customer Remarks		