

ECN/PCN No.: 3716

**For Manufacturer**

<b>Product Description:</b> SMD Clock Oscillator	<b>Abracon Part Number / Part Series:</b> ASEM	<input checked="" type="checkbox"/> Series <input type="checkbox"/> Part Number
<b>Affected Revision:</b> M	<b>New Revision:</b> N	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

**Prior to Change:** supply current, rise and fall time, cycle to cycle jitter, dissable stand by current.

Supply Current (no load):	1.0 to 39.9999MHz		3	10	mA	No load RL=∞ T=25°C
	40.0 to 79.9999MHz		4	10		
	80.0 to 124.9999MHz		5	10		
	125.0 to 150MHz		6	10		

Rise Time:	Tr		1.3	2.0	ns	15pF; T=25°C 20%/80%*VDD
Fall Time:	Tf		1.3	2.0		

Cycle to cycle jitter:		95		ps	F=100MHz
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Disable Stand-by Current:			1		uA
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**After Change:** supply current, rise and fall time, cycle to cycle jitter, dissable stand by current.

Supply Current (no load)	1.0 to 39.9999MHz		7	15	mA	Vdd=3.3V No load RL=∞ T=25°C
	40.0 to 79.9999MHz		8	15		
	80.0 to 124.9999MHz		9	15		
	125.0 to 150MHz		10	15		

Rise Time:	Tr		1.3	3.0	ns	15pF; T=25°C 20%/80%*VDD
Fall Time:	Tf		1.3	3.0		

Cycle to cycle jitter:		60		ps	F=100MHz
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Disable Stand-by Current:			15		uA
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**Cause/Reason for Change:**

Product discontinuation of the first generation internal IC used inside this product series. IC replaced with a new second generation device with lower cycle to cycle period jitter.

**Change Plan**

<b>Effective Date:</b> 12/17/2020	<b>Additional Remarks:</b> Revising the existing product series with the latest silicon
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**Change Declaration:**  
Existing Abracon part numbers will remain the same. No changes or modifications on the customers BOM is required.

**Issued Date:**  
12/17/2020

**For Abracon EOL only**

<b>Last Time Buy (if applicable):</b> Not Applicable	<b>Alternate Part Number / Part Series:</b> Not Applicable
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Additional Approval:	Additional Approval:	Additional Approval:
<b>Customer Approval (If Applicable)</b>		
Qualification Status: <input type="checkbox"/> Approved <input type="checkbox"/> Not accepted <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>		
Customer Part Number:	Customer Project:	
Company Name:	Company Representative:	Representative Signature:
Customer Remarks:		

## Affected Part Numbers

ASEM1-100.000MHZ  
ASEM1-100.000MHZ-EC-T  
ASEM1-100.000MHZ-ER  
ASEM1-100.000MHZ-LC  
ASEM1-100.000MHZ-LC-T  
ASEM1-101-24.000MHZ-T  
ASEM1-107-25.000MHZ-T  
ASEM1-108-27.000MHZ-T  
ASEM1-111-24.000MHZ-T  
ASEM1-113-27.000MHZ-T  
ASEM1-114-32.000MHZ-T  
ASEM1-115-50.000MHZ-T  
ASEM1-116-27.000MHZ-T  
ASEM1-120.000MHZ-EC-T  
ASEM1-125.000MHZ-MC-T  
ASEM1-150.000MHZ-LC-T  
ASEM1-20.000MHZ-LC  
ASEM1-20.000MHZ-LC-T  
ASEM1-20.250MHZ-MC-T  
ASEM1-22.5792MHZ-CT  
ASEM1-22.5792MHZ-ER  
ASEM1-22.7592MHZ-ER  
ASEM1-24.000MHZ-LC  
ASEM1-24.000MHZ-LC-T  
ASEM1-24.000MHZ-LK  
ASEM1-24.000MHZ-LR  
ASEM1-24.5454MHZ-LC  
ASEM1-24.576MHZ-LC-T  
ASEM1-24.576MHZ-LR  
ASEM1-25.000MHZ-C-T  
ASEM1-25.000MHZ-EC  
ASEM1-25.000MHZ-LC  
ASEM1-25.000MHZ-LC-T  
ASEM1-25.000MHZ-LR  
ASEM1-25.000MHZ-LR-T  
ASEM1-26.0000MHZ-EC-T  
ASEM1-26.000MHZ-LC  
ASEM1-26.6000MHZ-R  
ASEM1-26.600MHZ-LC  
ASEM1-27.000MHZ-L  
ASEM1-27.000MHZ-LC-T  
ASEM1-29.4912MHZ-LC  
ASEM1-29.4912MHZ-LC-T  
ASEM1-30.000MHZ-ER-T  
ASEM1-30.000MHZ-LC

ASEM1-30.000MHZ-LC-T  
ASEM1-31.2000MHZ-EC-T  
ASEM1-32.000MHZ-LC-T  
ASEM1-33.000MHZ-EC  
ASEM1-33.000MHZ-LC  
ASEM1-33.000MHZ-LC-T  
ASEM1-33.333MHZ-LC  
ASEM1-33.333MHZ-LC-T  
ASEM1-38.400MHZ-MC-T  
ASEM1-40.000MHZ-LC  
ASEM1-40.000MHZ-LC-T  
ASEM1-40.000MHZ-LR  
ASEM1-44.000MHZ-LC-T  
ASEM1-48.000MHZ-EC-T  
ASEM1-48.000MHZ-ER-T  
ASEM1-48.000MHZ-LC  
ASEM1-48.000MHZ-LC-T  
ASEM1-48.000MHZ-LR-T  
ASEM1-49.152MHZ-C-T  
ASEM1-49.152MHZ-MC-T  
ASEM1-50.000MHZ-EC  
ASEM1-50.000MHZ-ER  
ASEM1-50.000MHZ-LC  
ASEM1-50.000MHZ-LC-T  
ASEM1-54.000MHZ-LC  
ASEM1-54.000MHZ-LC-T  
ASEM1-54.000MHZ-LR  
ASEM1-54.000MHZ-MC-T  
ASEM1-60.000MHZ-LC-T  
ASEM1-60.000MHZ-LK  
ASEM1-64.000MHZ-LC  
ASEM1-66.000MHZ-LC  
ASEM1-72.000MHZ-LC  
ASEM1-75.000MHZ-C  
ASEM1-75.000MHZ-LC  
ASEM1-80.000MHZ-LC  
ASEM1-80.000MHZ-LC-T  
ASEM1-96.000MHZ-LC  
ASEM2-25.000MHZ-ER-T  
ASEM-24.5454MHZ-LC  
ASEM2-96.000MHZ-LC  
ASEM3-100.000MHZ-LC  
ASEM3-101-24.000MHZ-T  
ASEM3-102-24.5454MHZ-T  
ASEM3-103-24.576MHZ-T  
ASEM3-104-27.000MHZ-T

ASEM3-105-48.000MHZ-T  
ASEM3-106-26.000MHZ-T  
ASEM3-125.000MHZ-C-T  
ASEM3-125.000MHZ-LR  
ASEM3-24.000MHZ  
ASEM3-25.000MHZ-LC  
ASEM3-31.250MHZ-LR  
ASEM3-40.000MHZ-L  
ASEM3-40.000MHZ-L-T  
ASEM3-50.000MHZ-LR  
ASEM3-62.500MHZ-LR  
ASEM3-96.000MHZ-LC  
ASEM3-98.304MHZ-LC  
ASEM4-100.000MHZ-LC  
ASEM4-100.000MHZ-LCT  
ASEM4-100.000MHZ-LR  
ASEM4-112-26.000MHZ-T  
ASEM4-113-40.000MH-T  
ASEM4-125.000MHZ-LR  
ASEM4-21.41875MHZ-LC  
ASEM4-24.000MHZ-LR  
ASEM4-24.000MHZ-LR-T  
ASEM4-25.000MHZ-LC  
ASEM4-25.000MHZ-LR  
ASEM4-25.000MHZ-MC.  
ASEM4-25.41875MHZ-C  
ASEM4-26.000MHZ- LC  
ASEM4-26.000MHZ-C  
ASEM4-26.000MHZ-EC  
ASEM4-26.000MHZ-EC-T  
ASEM4-26.000MHZ-LC  
ASEM4-26.000MHZ-LC-T  
ASEM4-26.000MHZ-LR-T  
ASEM4-27.000MHZ-ER-T  
ASEM4-28.6363MHZ-C  
ASEM4-30.000MHZ-LC  
ASEM4-31.250MHZ-LR  
ASEM4-33.333MHZ-MC  
ASEM4-34.905MHZ-E  
ASEM4-34.905MHZ-T  
ASEM4-37.125MHZ-LR  
ASEM4-38.400MHZ-LC  
ASEM4-38.400MHZ-LC-T  
ASEM4-41.026MHZ-C  
ASEM4-48.000MHZ-LC  
ASEM4-48.000MHZ-LK

ASEM4-50.000MHZ-LC  
ASEM4-62.500MHZ-LR  
ASEM5-100.000MHZ-C  
ASEM5-40.000MHZ-LR