

ECN/PCN No.: 3716

For Manufacturer

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

Disable Stand-by Current:			1		uA
---------------------------	--	--	---	--	----

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
------------------------	--	----	--	----	----------

Disable Stand-by Current:			15		uA
---------------------------	--	--	----	--	----

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

Effective Date: 12/17/2020	Additional Remarks: Revising the existing product series with the latest silicon
--------------------------------------	--

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	Issued By: <i>Stephanie Lopez</i>	Issued Department: Engineering
-----------------------------------	---	--

Approval: <i>Thomas Culhane</i> Engineering Director	Approval: <i>Reuben Quintanilla</i> Quality Director	Approval: <i>Ying Huang</i> Purchasing Director
---	---	--

For Abracon EOL only

Last Time Buy (if applicable): Not Applicable	Alternate Part Number / Part Series: Not Applicable
---	---

Additional Approval:	Additional Approval:	Additional Approval:
Customer Approval (If Applicable)		
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:		