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PRODUCT/ PROCESS CHANGE NOTICE

Number: 2001-1
Date: 01/06/20
From: Ken Olp
ECO#: 11305
ECO Ref.: (Class: 3 Notification)

Effective Date: January 06, 2020

Change Category: Change in Existing Product Design/Component Parts

Change Description:

- 1) Component (quartz crystal) size change with the addition of a ceramic “adapter” substrate to accommodate the smaller crystal footprint.
- 2) Marking format change.
- 3) Product height change.

Reason for Change: These changes are for enhanced component availability, device manufacturability, and performance improvement.

Products Affected: TB522-100.0M, TB524-100.0M

Change Impact:

Product part number will remain the same.

CHANGEOVER PROCESS: For the TB522-100.0M, all parts shipped from now on will include these changes (all date codes 2001 and later will incorporate the changes). For the TB524-100.0M, there will be one more shipment (250pc) of the existing design, and the changes will be implemented in the next build after that. The exact date code can be supplied at that time.

Effect on Product Performance:

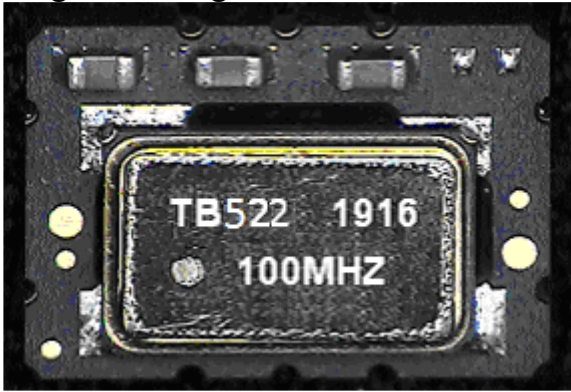
The electrical performance improves with regard to the phase noise performance.

Due to the smaller area available for part number and date code marking, the date code format will change from a 4-character (YYWW) format to a 2-character (YM) format.

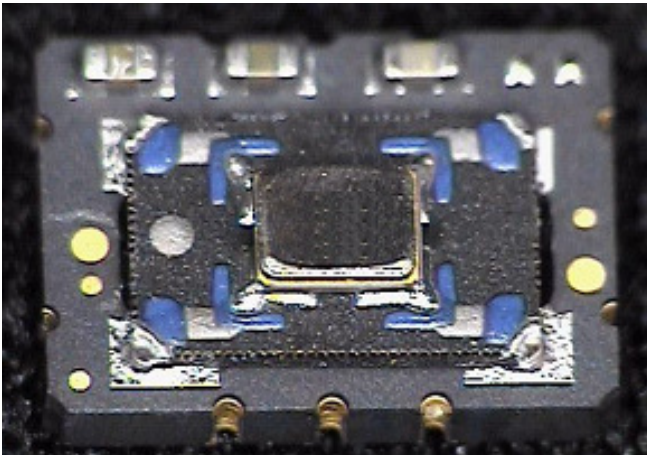
Physical dimension change:

This change results in an overall product height increase from 2.0mm maximum to 2.4mm maximum due to the addition of the adapter substrate.

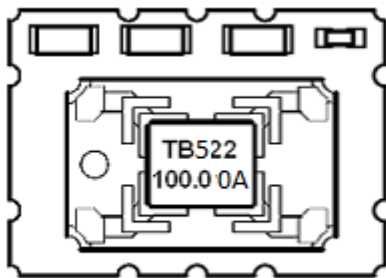
Original configuration:



New configuration:



New marking configuration with 2-Character Date Code:



2 CHARACTER DATE CODE

<u>Y = Year</u>	<u>M = MONTH</u>
9 = 2019	A = JAN
0 = 2020	B = FEB
1 = 2021	C = MAR
2 = 2022	D = APR
	E = MAY
	F = JUN
	G = JUL
	H = AUG
	J = SEP
	K = OCT
	M = NOV
	N = DEC

Test SAMPLES Available: Yes No

Test DATA Available: Yes No

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CUSTOMER RESPONSE

This PCN requires customer notification only. Please use this form if necessary to respond and direct to the attention of the contact person at Connor-Winfield Corporation.

If Unacceptable, Explain:

Customer Contact:

Telephone:

Email
