	<b>ESC</b>	C	D	OCUMENT	CHANGE REQUEST		
DCR number	1253	Changes require	с	Originator: MAILLARD			
Date: 2021/02/18 Date sent: 2019/03/1			9/03/14		Organisation: RAKON FRANCE		
Status: IMPLE	EMENTED						
Title:	Generic Specification for CRYSTAL CONTROLLED OSCILLATORS						
Number:	3503		ue:	3			
Other documen	ts affected:						
Page:							
25							
Paragraph:							
8.11							
Original wording:							
8.11 MECHAN MIL-STD-202,	CAL SHOCK Test Method 213, Te	st Condition F (15	500g, 0.5ms	s, half-sine).			
Proposed word	ing:						
8.11 MECHAN MIL-STD-202,	CAL SHOCK Test Method 213, Le	vel 2000g, duratic	on 0.3ms, h	alf-sine pulse			
Justification:							
The evaluation 0.3ms without a Qualification ar	and then the qualific any failure or degrad ad periodic verificatio	ation test results o ation. Keeping a c n.	of RK135 h comfortable	ave demonstrated margin, the level of	that the assembly can withstand 3000g of 2000g 0.3ms is then proposed for		

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Status: IMPLI	EMENTED						
Title:	le: Generic Specification for CRYSTAL CONTROLLED OSCILLATORS						
Number:	3503		ie:	3			
Other documer	Other documents affected:						
Page:							
25							
Paragraph:							
8.12.2							
Original wording:							
8.12.2 Qualifica MIL-STD-202,	ation And Periodic To Test Method 214, Te	ests (Class 1 and 2 est Condition I-F (2	2 Oscillator 0.71grms (	s) overall), 3 minutes	per axis.		
Proposed word	ing:						
8.12.2 Qualifica MIL-STD-202,	ation And Periodic To Test Method 214, Te	ests (Class 1 and 2 est Condition I-J (3	2 Oscillator 7.8grms ov	s) /erall), 5 minutes p	per axis.		
Justification:							
The evaluation and then the qualification test results of RK135 have demonstrated that the assembly can withstand 46.3grms during 5mn per axis without any failure or degradation. Keeping a comfortable margin, the level of 37.8grms overall (MIL-STD-202 TM214 cond I-J) is then proposed for Qualification and periodic verification.							

	<b>ESC</b>		DOCUMENT	CHANGE REQUEST			
DCR number	1253	Changes required for: P	roc	Originator: MAILLARD			
Date: 2021/02	2/18	Date sent: 2019/03/14		Organisation: RAKON FRANCE			
Status: IMPLE	EMENTED						
Title:	Generic Specification for CRYSTAL CONTROLLED OSCILLATORS						
Number:	3503	Issue:	3				
Other documen	Other documents affected:						
Page:							
25							
Paragraph:							
8.13							
Original wording	g:						
8.13 CONSTAN 8.13.1 Screenir MIL-STD-883, <sup>-</sup> 8.13.2 Qualifica MIL-STD-883, <sup>-</sup>	NT ACCELERATIO ng Tests (Class 2 C Test Method 2001, ation And Periodic T Test Method 2001,	N Descillators only) Test Condition A (5000g), Y Tests (Class 2 Oscillators onl Test Condition B (10000g), Y	1 axis only. y) (1 axis only.				
Proposed wordi	ing:						
<ul> <li>8.13 CONSTANT ACCELERATION</li> <li>8.13.1 Screening Tests (Class 2 Oscillators only)</li> <li>MIL-STD-883, Test Method 2001, Test Condition A (5000g), Y1 axis only.</li> <li>8.13.2 Qualification And Periodic Tests (Class 2 Oscillators only)</li> <li>MIL-STD-883, Test Method 2001, Test Condition A (5000g), Y1 axis only.</li> </ul>							
Justification:							
Failures during limitations: - the decrease 3503/001) - the decrease tests. No chance	the qualification of of the max operatin of the constant acc ge for screening tes	RK135 and during the LAT on g and storage temperatures eleration test level from 1000 ts: the level is maintained at	of RK115 (non qualit from +125°C to +11 00g to 5000g during 5000g.	fied version), led to the following 10°C (see recent DCR related to ESCC Qualification and peridioc verification			

Attachments:
escc3503iss3_for_publishing.docx
Modifications:
As reviewed and concluded by PSWG_90 on 22/01/2020:
item 1) Original Change item on Constant Acceleration (during Qualification And Periodic Tests): Page 25, Para 8.13.2:
Change from condition B (10000g) to condition A (5000g) is accepted.
In addition, similarly, on Page 17, Para 5.2.2.4.1(d)i. Packaged Test Sublot Testing/Screening:
Change Constant Acceleration
DCR1253
Modifications
As reviewed and concluded by PSWG_90 on 22/01/2020:
item 1) Original Change item on Constant Acceleration (during Qualification And Periodic Tests): Page 25, Para 8.13.2:
Change from condition B (10000g) to condition A (5000g) is accepted.
In addition, similarly, on Page 17, Para 5.2.2.4.1(d)i. Packaged Test Sublot Testing/Screening:
Change Constant Acceleration
Approval signature:
Sugran Rea
Date signed:
2021-02-18