

	1			2			3		4	
А	Reliability testing 1) Prior to the experiment, conduct the electrical performance test on the testing unit and ensure that the electrical performance meets the required standards. Subsequently, carry out the testing of the items specified in Table 1 in a sequential manner. 2) Upon completion of each test, inspect the appearance for any abnormalities such as cracks, peeling, adhesive detachment, or ceramic block detachment, and verify that the electrical performance meets the specified requirements. 3) Qualification criteria: The absence of any abnormalities during the testing process for all items,									А
В	with no significant changes in electrical performance before and after the test, and compliance with the technical specifications. 4) Upon completion of all tests, provide detailed test reports based on the test results.  Table 1: Reliability Test Items and Requirements  NO. Item Requirements									В
			1	Enclosure Strength		1) Tightening torque of fixing screws: >2.9 Nm; 2) The vertical tensile force between the ceramic and the bracket exceeds 100N, sustained for 1 minute. 3) The shear force between the ceramic and the bracket exceeds 100N, sustained for 1 minute.				
С		2		Sine Vibration		Frequency: 10-55 Hz Amplitude: 0.75mm peak to peak value Time: 10-55 Hz / 5 minutes Number of cycles: 3 cycles per axis, for a total of 30 minutes Axial: 3-axis				С
		3		Shock		Peak acceleration: 50 g Pulse duration: 11 ms Speed variation: Half sine wave, 3.4 m/s Axial: 3-axis Continuous impact times: 6 directions x 3 times				
	4		4	Low Temperature		Dielectric testing without metal casing Store at -55 ℃ for 48 hours				
D		5		High Temperature		Dielectric testing without metal casing Store at+85 ℃ for 48 hours				D
		6		Damp Heat Test		Dielectric testing without metal casing High temperature and humidity:+55 ° C, 95%, 12 hours Low temperature and high humidity:+25 ° C, 95%, 12 hours Test time: 2 cycles for a total of 48 hours				
E	7		7	Temperature Shock		Dielectric testing without metal casing Low temperature: -55 °C High temperature:+85 °C Constant temperature duration: 3 hours Conversion duration: 1 minute Impact: 30 times				E
						<b>\$</b> 5Υ	ΜΔΙR			
	Mark '	Ver.	ECN	Sign	Date	- Dielectric I	Resonator	Version Mark	Weight Scale	
	Check Proce	SS				Dielectric Constant S 1.2			_     F	
	Stanc Appro	dard				Material: K040		Page 2 of 2		
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