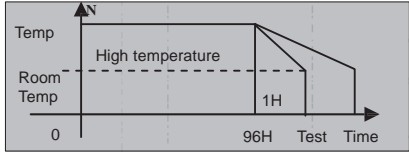
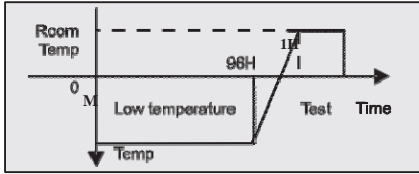
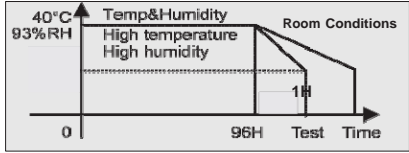
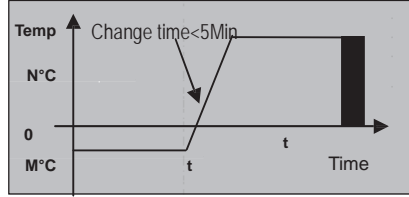
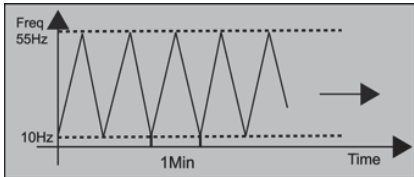
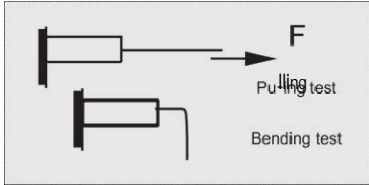


EC,PK,VC,FC,TC (IRON CORE) and other similar types

	Item	Required Characteristics	Test Method / Condition
Environmental Tests	High temperature Storage test Reference documents: MIL-STD-202G Method 108A	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta O/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	 <p>Temperature: $N \pm 2^\circ\text{C}$ - Time : 96 ± 2 hours Tested not less than 1 hr, or more than 2 hrs at room temperature</p>
	Low temperature Storage test Reference documents: IEC 68-2-1A 6.1 6.2	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta O/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	 <p>Temperature: $N \pm 2^\circ\text{C}$ - Time : 96 ± 2 hours Tested not less than 1 hr, or more than 2 hrs at room temperature</p>
	Humidity test Reference documents: MIL-STD-202G Method 103B	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta O/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	 <p>Temperature: $40^\circ \pm 2^\circ\text{C}$ Humidity: $93 \pm 3\%$ RH Time : 96 ± 2 hours Tested not less than 1 hr, or more than 2 hrs at room temperature</p>
	Thermal shock test Reference documents: MIL-STD-202G Method 107G	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta O/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$ For T: weight $\leq 28\text{g}$: 15Min M 28g \leq weight $\leq 136\text{g}$: 30Min N	 <p>First $M^\circ\text{C}$ for (t) time, last $N^\circ\text{C}$ for (t) time as 1 cycle. Repeat through 20 cycles.</p>

EC,PK,VC,FC,TC (IRON CORE) and other similar types

Physical Characteristic Tests	Item	Required Characteristics	Test Method / Condition
	Solderability test Reference documents: MIL-STD-202G Method 208H IPC J-STD-002C	Terminal area must have 95% minimum Solder coverage	1. Dip the pads in flux and then dip them in a solder pot at $260 \pm 5^\circ\text{C}$ for 5 seconds. 2. Solder: Lead free 3. Flux: Rosin flux
	Heat endurance of flow soldering Reference documents: MIL-STD-202G Method 210F	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	1. Dip pads in flux then dip in solder pot at $260 \pm 5^\circ\text{C}$ for 10 seconds. 2. Solder: lead free 3. Flux: rosin flux
	Vibration test Reference documents: MIL-STD-202G Method 201A	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	 <p>Apply frequency 10–55Hz. 1.5mm amplitude in each perpendicular direction for 2 hours.(total 6 hours)</p>
	Drop test Reference documents: MIL-STD-202G Method 203C	1. No case should there be a deformation or change in appearance. 2. $\Delta L/L \leq 10\%$ 3. $\Delta Q/Q \leq 30\%$ 4. $\Delta DCR/DCR \leq 10\%$	Packaged & Dropped down from 1m with 981m/s (100G) attitude in 1 Angle, 1 Ridge and 2 Surfaces orientations.
	Terminal strength Reference documents: IEC 68-2-21:1992 Test A & C	1. The Terminal should not come out or separate. 2. Meet required test condition A&C For: Wire-leaded components-Test A&C For: Others leaded components-Test A	A. A Pull Force:0.45kg;the force shall be applied gradually to The terminal and then maintained for 10 seconds. C. Wire-lead bend:0.23kg.The rate of bending shall be Approximately 3 seconds per bend in each direction. The load shall be suspended at a point within 1/4 inch from the free end of the terminal. 
	Resistance to solvent test Reference documents: IEC 68-2-45:1993	No case should there be a deformation or change in appearance or an obliteration of the marking	Dip parts into IPA solvent for 5 ± 0.5 Min,then dry them at room temp for 5 Min. Last, brush the marking 10 times.

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Electrical Characteristic Tests	Item	Required Characteristics	Test Method / Condition
	Electronic characteristic test of major products	Refer to catalogue of specific products	Refer to catalogue of specific products
	Overload test Reference documents: JIS C5311-6.13	1. During the test there should be no smoke, no peculiar smell and no fire. 2.The characteristic is normal after test	Apply twice as rated current for 5 minutes.
	voltage resistance test Reference documents: MIL-STD-202G Method 301	1.During the test no breakdown 2.The characteristic is normal after test	Refer to product's specification