

Laboratory Visteon India Product Reliability Assurance Lab (VIPRA), Visteon Electronics India Pvt. Ltd., Keelakaranai Village, Malrosapuram Post, Maraimalainagar, Chengalpattu, Kancheepuram Dist., Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6543

Page 1 of 2

Validity 15.11.2017 to 14.11.2019

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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ELECTRONICS TESTING

I.	ENVIRONMENTAL TEST FACILITY			
1.	Electronic Automotive Products- Instrument Clusters, Audio Infotainments, Head Unit Displays, Climatic Control Heads and Temperature controller	Cold (Low Temperature)	IEC 60068-2-1:2007 ISO 16750-4:2010 Cl. 5.1.1	Qualitative (-)65°C to Ambient (1000mm(W)*1000mm (D)*1000mm(H))
		Dry Heat (High Temperature)	IEC 60068-2-2:2007 ISO 16750-4:2010 Cl. 5.1.2	Qualitative Ambient to 175°C (1300mm (W)*1000mm (D)*1000mm (H))
		Temperature Cycling	IEC 60068-2-14:2009 ISO 16750-4:2010 Cl. 5.3.1	Qualitative (-)65 °C to 175 °C (1000mm(W)*1000mm (D)*1000mm(H))
		Temperature Shock - Cold zone - Hot zone	IEC 60068-2-14:2009 ISO 16750 -4:2010 Cl. 5.3.2	Qualitative (-)65°C to Ambient Ambient to 175°C (600mm(W)*600mm (D)*600mm(H))
		Damp Heat (Steady State)	IEC 60068-2-78:2012 ISO 16750-4:2010 Cl. 5.7	Qualitative 25°C to 85°C 30% to 95% RH (1000mm(W)*1000mm (D)*1000mm(H))
		Damp Heat (Cyclic)	IEC 60068-2-30: 2005 ISO 16750-4: 2010 Cl. 5.6.2.2	Qualitative 25°C to 85°C 30% to 95% RH (1000mm(W)*1000mm (D)*1000mm(H))

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		Salt mist (Corrosion)	IEC 60068-2-11:1981 IEC 60068-2-52:1996 IS 9000-11:1983 RA 2004 Procedure-1	Qualitative 35°C with 95% RH (1100mm(W)*800mm(D)*1100mm(H))
		Composite Temperature & Humidity	IEC 60068-2-38: 2009 ISO 16750-4: 2010 Cl. 5.6.2.3	Qualitative (-) 65°C to 175°C 25°C to 85°C 30% to 95% RH (1000mm(W)*1000mm(D)*1000mm(H))
		Vibration (Sine / Random) - Acceleration:	JIS D1601-1995 (RA 2015) IEC 60068-2-64: 2008	Qualitative 5 Hz to 2000 Hz 11g 2400 kgf, (500mm*500mm)
		Mechanical Shock (Half Sine)	IEC 60068-2-27: 2008	Qualitative 50g 11 ms
		Drop Test	IEC 60068-2-31: 2008 Cl.5.2 Procedure-1	Qualitative 100 mm to 1000 mm
		Protection against Penetration of Dust	JIS D0207: 1977 (RA 2015) ISO 20653: 2013 IEC 60529: 2013 Cl. 13.4	Qualitative (1000mm(W)*1000mm(D)*1000mm(H)) - IP 6K - IP 5X (Category 2)
		Combined Temperature Vibration (Sine/ Random)	ISO 16750-3: 2012	Qualitative (-)65 to 175°C 5 Hz to 2000 Hz 11g 2400 kgf (500mm*500mm)

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