AL Series — Performance Specifications

Mechanical Performance			
Item		**Specification**	**Test Method**
1	Bending Test	Appearance : No damage L change: within ±10%	JIS-C-5202-6.1.4 Bending amplitude of 3mm for 10 secs.
2	Resistance to Soldering Heat		Solder Temperature: 260 ± 5°C for 10 ± 1 secs.
3	Solderability Test	95% covered with solder	MIL-STD-202F Method 208H Inductor shall be dipped in a melted solder bath at 245 ± 5°C for 2 secs.

Electrical Performance			
Item		**Specification**	**Test Method**
1	Test Equipment	Refer to standard electrical characteristic spec	HP4286A and Agilent 16196A/B/C
2	Withstanding Voltage Test	Inductors shall show no evidence of electrical and mechanical damage	MIL-STD-202F Method 301 AC voltage of 100 VAC for 1 minute
3	Insulation Resistance Test	>1000MΩ min	MIL-STD202F- Method 301 100VDC applied for 1 minute

Climatic Tests			
Item		**Specification**	**Test Method**
1	Temperature Characteristic	Appearance: No damage L change : within ± 10% There Should be no evidence of short or open circuit	-40°C ~ +125°C
2	Humidity Test		MIL-STD-202F Method 103B Temperature : 40 ± 2°C Relative Humidity : 90~95% Time : 1000hrs +48/-0hrs
3	Thermal Shock		JIS-C-5202-7.4 -40/RT/85/RT for 10 cycles
4	High Temp Load Life		JIS-C-5202-7.2 Temperature : 85 ± 2°C Time: 1000 +48/-0hrs Load : Rated IDC
5	Low Temperature Storage		JIS-C-5202-7.1 Temperature : -40± 3°C Time : 1000 +48/-0hrs

Storage Temperature: 25 ± 3°C; Humidity : < 80%RH