

WL Series — Performance Specifications

Mechanical Performance		
Item	Specification	Test Method
1	Vibration Test	Appearance : No damage L change: within $\pm 5\%$ Q change: within $\pm 10\%$
2	Resistance to Soldering Heat	
3	Component Adhesion (Push Test)	1 lbs. for 0402 2 lbs. for 0603 3 lbs. for all others
4	Drop Test	No damage
5	Solderability Test	90% covered with solder
6	Resistance to Solvent Test	No damage on appearance and marking

Electrical Performance		
Item	Specification	Test Method
1	Inductance	Refer to standard electrical characteristic spec
2	Q	
3	SRF	
4	DC Resistance (RDC)	
5	Rated Current (IDC)	
6	Overload Test	Inductors shall have no evidence of electrical and mechanical damage
7	Withstanding Voltage Test	Inductors shall show no evidence of electrical and mechanical damage
8	Insulation Resistance Test	10000Mohm min

Climatic Tests		
Item	Specification	Test Method
1	Temperature Characteristic	-40°C ~ +125°C
2	Humidity Test	Temperature : 40 \pm 2°C Relative Humidity : 90~95% Time : 96hrs \pm 2hrs Measured after exposure in the room condition for 2hrs
3	Thermal Shock	Appearance: No damage L change : within $\pm 10\%$ Q change : within $\pm 20\%$
4	High Temp Load Life	Temperature : 85 \pm 2°C Time: 1000 \pm 12hrs Load : Rated IDC
5	Humidity Load Life	Temperature : 85 \pm 2°C Relative Humidity : 90~95% Time: 1000 \pm 12hrs Load : Rated IDC

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