SMD Wire Wound Ferrite Chip Inductor

- NL322522/ NL453232 Series

1-1.Mechanical Performances

No	Item	Specification	Test Method		
1-1-1	Vibration	Appearance: No damage	Test device shall be soldered on the substrate		
		Inductance: within ±10% of initial	Oscillation Frequency: 10 to 55 to 10Hz for 1min		
		value	Amplitude: 1.5mm		
		Q change: within £0% of initial	Time: 2hrs for each axis (X, Y & Z), total 6hrs		
		value			
1-1-2	Solder ability	The electrodes shall be at least	Pre-heating: 150 , 1min		
		90% covered with new solder	Solder Composition: Sn/Pb = 63/37		
		coating	Solder Temperature: 230±5		
			Immersion Time: 4 d sec		

1-2.Environmental Performances

No	Item	Specification	Test Method					
1-2-1	Temperature Cycle	Appearance: No damage	One cycle:					
		Inductance: within ±10% of initial		Step	Temperature ()	Time (min)		
		value		1	-25 £	30		
		Q change: within £0% of initial		2	25 ₽	3		
		value		3	85 \$	30		
				4	25 £	3		
			Total: 100cycles Measured after exposure in the room condition for 24hrs					
1-2-2	Humidity Resistance		Temperature: 40 <i>£</i> Relative Humidity: 90 ~ 95% Time: 1000hrs Measured after exposure in the room condition for 24hrs					
1-2-3	High Temperature		Temperature: 85 - £3					
	Resistance		nidity: 20%					
			Applied Current: Rated Current					
			Time: 1000hrs Measured after exposure in the room condition for 24hrs					
1-2-4	Low Temperature		Temperature: -25 & Relative Humidity: 0% Time: 1000hrs Measured after exposure in the room condition for 24hrs					
	Resistance							