## SMD Open Type Wire Wound Ferrite Chip Inductors

## - NL252018 Series

## 1-1.Mechanical Performances

No	Item	Specification	Test Method			
1-1-1	Resistance To Soldering Heat	Appearance: No Damage	1、 Pre-Heating: 150 , 1min. 2、 Solder Composition: Sn/Pb = 63/37. 3、 Solder Temperature: 260			
1-1-2	Solder ability	The Electrodes Shall Be At Least 90% Covered With New Solder Coating				
1-1-3	Component Adhesion (Push Test)	1 Lbs. For LS0603 2 Lbs. For NL201614 4 Lbs. For The Rest	The Device Should Be Reflow Soldered (230 ±5 For 10 Seconds) To A Tinned Copper Substrate. A Force Gauge Should Be Applied To The Side Of The Component. The Device Must Withstand A Minimum Force Of 1 Or 2 Or 4 Pounds Without A Failure Of The Termination Attached To Component.			

## 1-2.Environmental Performances

No	Item	Specification	Test Method					
	Temperature Cycle	Appearance: No Dama ge Inductance: within ±10% of initial	One Cycle:					
1-2-1				Step	Temperature ( )	Time (min.)		
		value		1	-25 <b>£</b>	30		
		Q change: within £0% of initial		2	25 <del>£</del>	3		
		value		3	85 <b>£</b>	30		
				4	25 <del>L</del>	3		
			Total: 5 cycles					
			Measured After Exposure In The Room Condition For 1Hrs					
1-2-2	Humidity Resistance		Temperature: 40 €					
			Relative Humidity: 90 ~ 95% Time: 100Hrs					
			Measured After Exposure In The Room Condition For 1Hrs					
1-2-3	High Temperature Resistance		Temperature: 85 €					
			Time: 50 Hrs  Measured After Exposure In The Room Condition For 1Hrs  Temperature: -25 \$					
1-2-4	Low Temperature Resistance							
			Time: 50Hrs					
			r 1Hrs					
1-2-5	High Temperature Load Life			Temperature: 85 €				
				Load: Allowed DC Current				
		There Should Be No Evidence Of	Time: 1000Hrs					
1-2-6	Humidity Load Life	Short Or Open Circle	Temperature: 40 €					
				Relative Humidity: 90 ~ 95%				
				Load: Allowed DC Current				
			Time: 1000Hrs					