muRata Inductor Data S	Sheet				
LQW15AN5N9B80# "#" indicates a package specification code.					
In Production General 125 Wound (Non Non ) Low Rdc (Wh) A Tight (Wh) RoHS REACH					
< List of part numbers with package codes > LQW15AN5N9B80D , LQW15AN5N9B80B					
Shape		Note	es		
	n)	necessar Please ap operating Please co	ng temperatures exceeding +85°C, der y for the LQW15A_80 series. oply the derating curve shown in the cha temperature. onsider "Notice (Rating)." erences Specifications φ180mm Paper taping	J I I I I I I I I I I I I I I I I I I I	
L size	1.0 ±0.1mm	В	Packing in bulk	500	
W size	0.6 ±0.1mm		· · · ·		
T size	0.5 ±0.1 mm		Mass (Typ.)		
Size code in inch (mm)	0402 (1005)	1 piece	1 piece 0.0009g		

# Specifications

Inductance	5.9nH ±0.1nH
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1770mA
Max. of DC resistance	0.040Ω
Q (min.)	30
Q test frequency	250MHz
Self resonance frequency (min.)	8.0GHz
Operating temperature range (Self-temperature rise is not included)	-55∼125°C
Series	LQW15AN_80

#### 🔔 Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued

without advance notice. Please check with our sales representatives or product engineers before ordering.

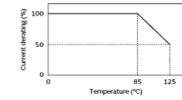
2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





In operating temperatures exceeding +85°C, derating of current is necessary for this series. Please apply the derating curve shown in the chart according to the operating temperature. Derating of Rated Current

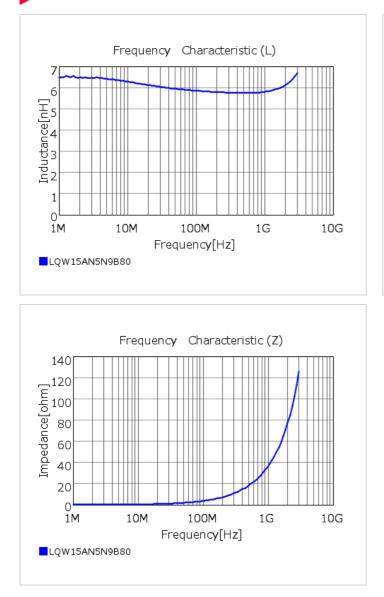


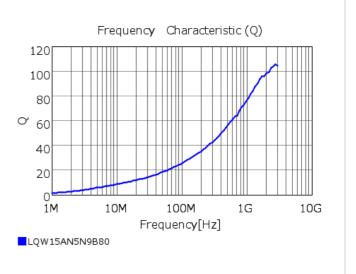
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## Chart of characteristic data (The charts below may show another part number which shares its characteristics.)





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