muRata Inductor Data S	Sheet				
LQW15AN27NG80# "#" indicates a package specification code.					
In Production General 125 Cmax Wound Low Rdc High Tight Reflow RoHS REACH					
< List of part numbers with package codes > LQW15AN27NG80D ,LQW15AN27NG80B					
Shape		Not	es		
		necessa Please a operating Please c	In operating temperatures exceeding +85°C, derating of current is necessary for the LQW15A_80 series. Please apply the derating curve shown in the chart according to the operating temperature. Please consider "Notice (Rating)." References Packaging Specifications Minimum quantity		
0.2±0.10.2±0.1 (in mn	ŋ	code D	ф180mm Paper taping	10000	
L size	1.0 ±0.1mm	В	Packing in bulk	500	
W size	0.6 ±0.1mm				
T size	0.5 ±0.1mm		Mass (Typ.)		
Size code in inch (mm)	0402 (1005)	1 piece 0.0009g			

## Specifications

Inductance	27nH ±2%
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	680mA
Max. of DC resistance	0.288Ω
Q (min.)	30
Q test frequency	250MHz
Self resonance frequency (min.)	4GHz
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.

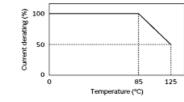
2. This datasheet has only typical specifications because there is no space for detailed specifications.

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

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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



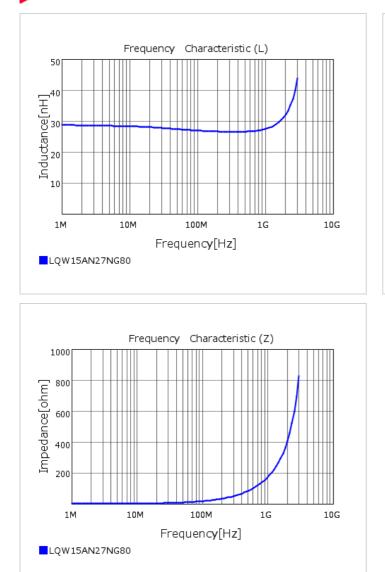
### 🔔 Attention

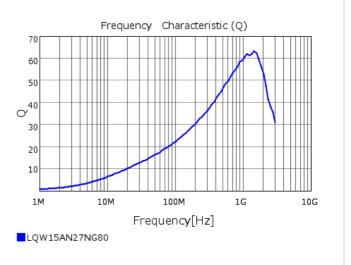
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# Chart of characteristic data (The charts below may show another part number which shares its characteristics.)





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