muRata Inductor Data S	iheet			
LQW15AN5N3C8	30# "#" indicates a package	e specification code.		
In Production General 125 (Non) (Non)	C High Q Reflow OK RoHS REAC	н		
< List of part numbers with package codes > LQW15AN5N3C80D ,LQW15AN5N3C80B				
Shape		Note	25	
		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)."		
0.6±0.1 T		Packaging code	Specifications	Minimum quantity
		D	φ180mm 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	5.3nH ±0.2nH
Inductance test frequency	100MHz
Rated current (Itemp) (Based on Temperature rise)	1770mA
Max. of DC resistance	0.040Ω
Q (min.)	35
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.

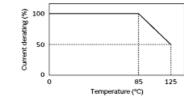
2. This datasheet has only typical specifications because there is no space for detailed specifications.

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

1 of 3



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



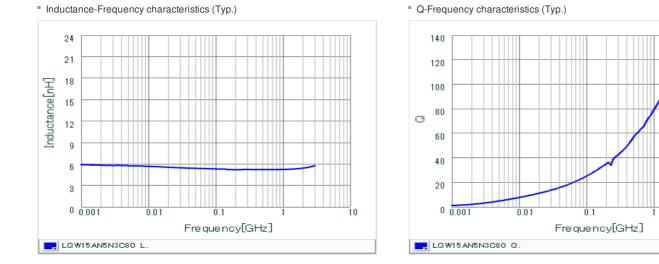
🔔 Attention

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.
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.

muRata Murata Manufacturing Co., Ltd.

2 of 3

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



🔔 Attention

 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.
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.

3 of 3

0