

Molding Wire Wound Chip Inductor / WMC Type

Features:

- Excellent inductance temperature characteristics in the operating temperature range.

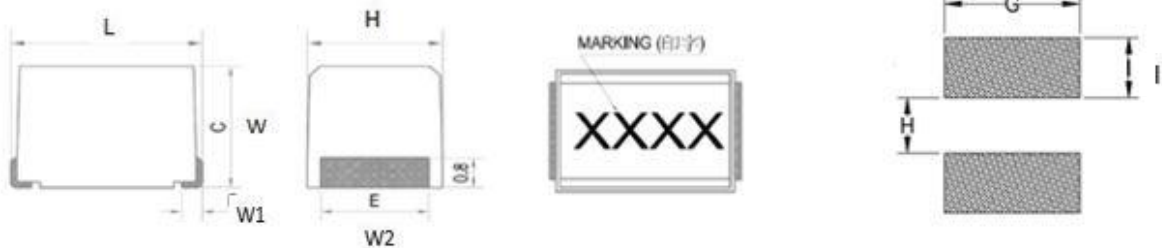
Applications:

- Smart meters.
- Electronic devices for communications infrastructure such as mobile base stations.

Part Number	Dimensions (mm)							
	L	W	H	W1	W2	G	H	I
MWC4532S-100K	4.50±0.30	3.20±0.20	3.20±0.20	0.50 Ref	2.60± 0.20	2.80 Ref	3.00 Ref	1.50 Ref

1. Operating temperature -40°C ~ +125°C
2. Storage conditions -40°C ~ +125°C

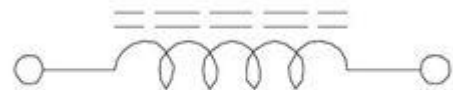
Shapes and dimension:



Material list:

No.	Location	Material
1	Core	Ferrite
2	Wire	Grade1 P180
3	Solder	Sn99.3 Cu0.7
4	Encapsulate	Epoxy molding compound

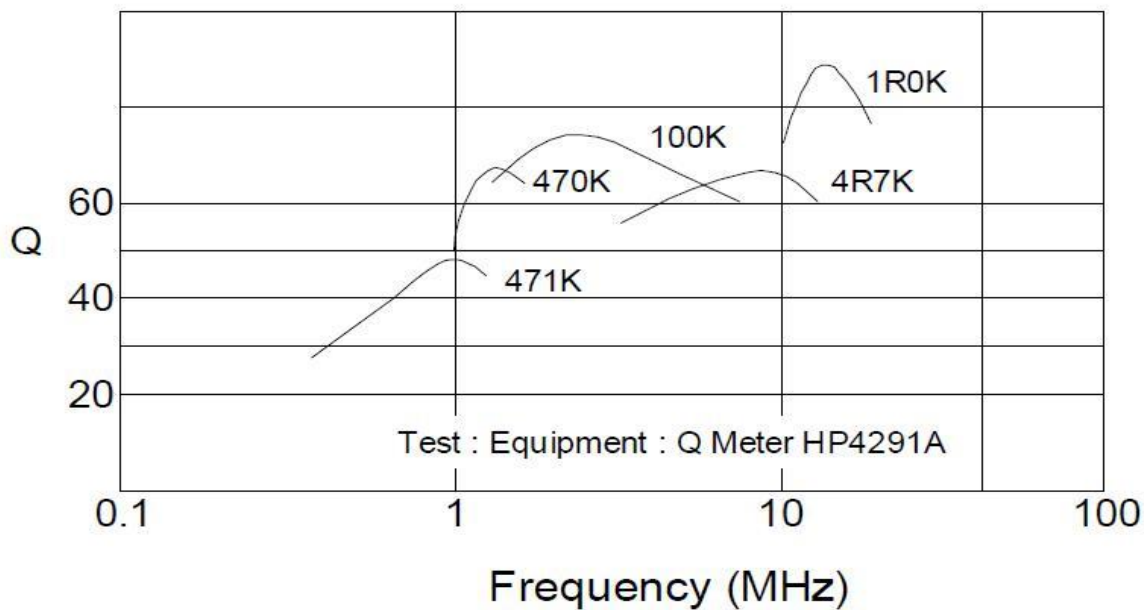
Equivalent Circuit Schematic:



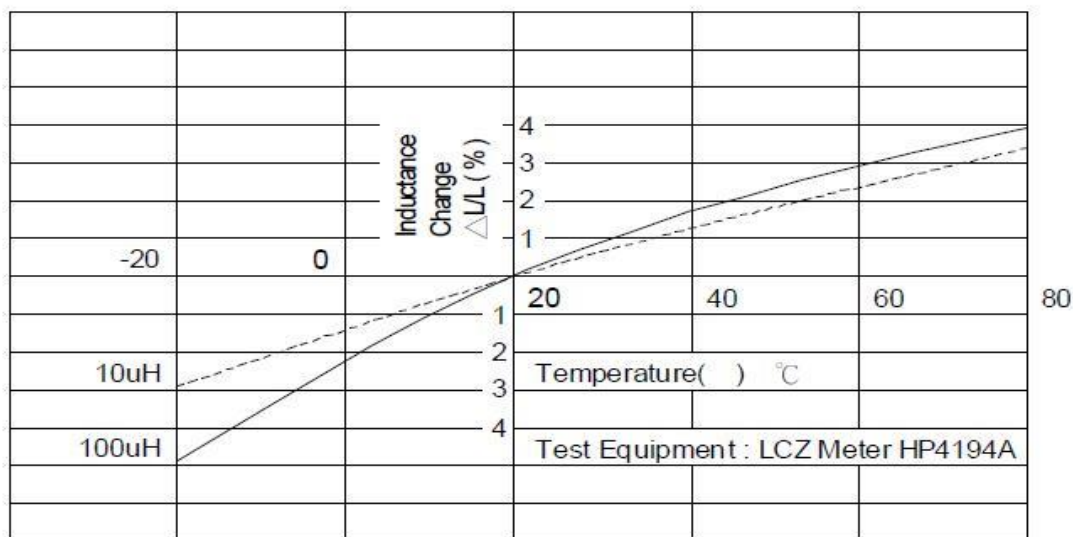
Specifications:

Part No.	Inductance	Q	SRF	IDC	DCR	Test Frequency
	(μH)		(MHz)	(mA)	(Ω)	
MWC4532S-100K	10	50	20	250	1.5	2.52MHz/0.1V
	$\pm 10\%$	Min	Min	Max	Max	

Curve: Q vs Frequency Response:



Curve: Inductance Change vs Temperature Response:



Curve: Inductance vs Superposition Characteristics:

