Wire-wound Ferrite Power Inductors LMRN series
for Medical Devices classified as GHTF Class C (Japan Class III)

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

REFLOW

■PART NUMBER　　*Operating Temp. : −40～125℃(Including self-generated heat)

L	M	R	N	J	1	0	1	4	5	G	L	1	0	0	M	N
①				②	③			④		⑤	⑥	⑦			⑧	⑨

①Series

Code (1)(2)(3)(4)	
LMRN	Wire-wound Ferrite Power Inductor for Medical Devices classified as GHTF Class C (Japan Class III)

(1) Product Group

Code	
L	Inductors

(3) Type

Code	
R	Ferrite Wire-wound (Drum-sleeve, pedestal type)

(2) Category

Code	Recommended equipment	Quality Grade
M	Medical Devices classified as GHTF Class C (Japan Class III)	2

(4) Features, Characteristics

Code	
N	Standard Power choke

②Feature

Code	Feature
J	Bottom electrode (Pedestal type)

⑥Packaging

Code	Packaging
L	Taping

③Dimensions(L×W)

Code	Dimensions(L×W)[mm]
101	10.1×10.1
125	12.5×12.5

⑦Nominal inductance

Code (example)	Nominal inductance[μH]
1R0	1.0
100	10
101	100

※R=Decimal point

④Dimensions(H)

Code	Dimensions(H)[mm]
45	4.5
55	5.5
65	6.5
75	7.5

⑧Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

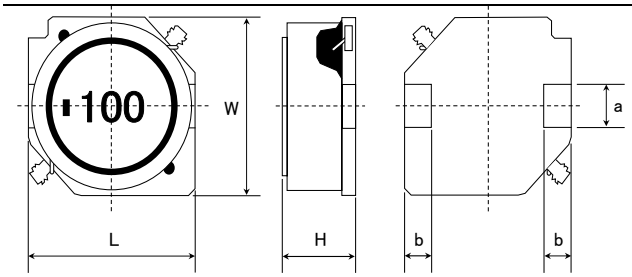
⑤Operating temperature

Code	Operating temperature[℃]
G	−40～+125

⑨Internal code

▸ This catalog contains the typical specification only due to the limitation of space. When you consider the purchase of our products, please check our specification.
For details of each product (characteristics graph, reliability information, precautions for use, and so on), see our Web site (http://www.ty-top.com/) .

■STANDARD EXTERNAL DIMENSIONS / MINIMUM QUANTITY



Type	L	W	H	a	b	Minimum quantity [pcs]
10145	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	4.5±0.35 (0.177±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)	2000
10155	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	5.5±0.35 (0.217±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)	2000
10165	10.1±0.3 (0.398±0.012)	10.1±0.3 (0.398±0.012)	6.5±0.35 (0.256±0.014)	2.8±0.1 (0.110±0.004)	2.0±0.15 (0.079±0.006)	2000
12555	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	5.5±0.35 (0.217±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)	2000
12565	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	6.5±0.35 (0.256±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)	2000
12575	12.5±0.3 (0.492±0.012)	12.5±0.3 (0.492±0.012)	7.5±0.35 (0.295±0.014)	3.0±0.1 (0.118±0.004)	2.0±0.15 (0.079±0.006)	2000

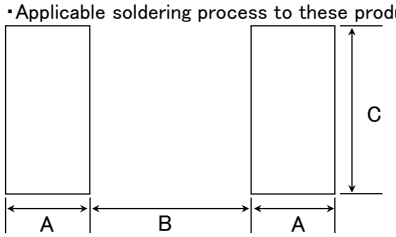
Unit : mm (inch)

Recommended Land Patterns

Surface Mounting

・Mounting and soldering conditions should be checked beforehand.

・Applicable soldering process to these products is reflow soldering only.



Type	A	B	C
10145	2.5	5.6	3.2
10155	2.5	5.6	3.2
10165	2.5	5.6	3.2
12555	2.5	8.6	3.2
12565	2.5	8.6	3.2
12575	2.5	8.6	3.2

Unit : mm

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