

## 1. Features

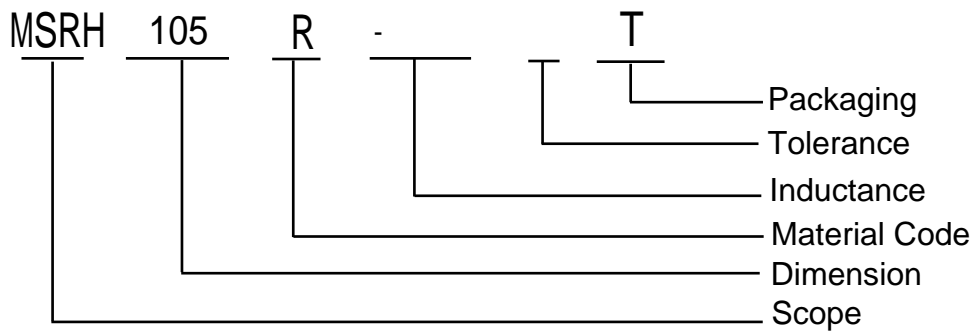
- Low profile
- Magnetic shielded
- SMT type, suitable for reflow soldering.



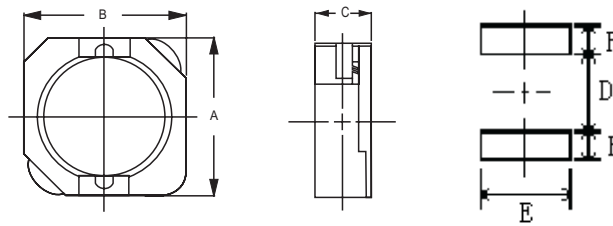
## 2. APPLICATIONS

- Portable communication equipment
- Notebook Computer
- DC/DC converters etc.

## 3. PRODUCT IDENTIFICATION



## 4. Shape and Dimensions



Unit: mm

Part	A	B	C	D	E	F
MSRH105R	10.2±0.3	10.0±0.3	5.0MAX	7.8	3.0	1.2

**Appendix A: Electrical Characteristics**
**I. MSRH105R TYPE INDUCTORS ELECTRICAL CHARACTERISTICS&TEST CONDITIONS**

Part Number	L (μH)	Tolerance	Test Freq.	DCR(Ω)Max	Isat(A)
MSRH105R-100MT	10	±20%	1kHz,0.25v	0.026	5.35
MSRH105R-120MT	12	±20%	1kHz,0.25v	0.033	4.50
MSRH105R-150MT	15	±20%	1kHz,0.25v	0.041	4.15
MSRH105R-180MT	18	±20%	1kHz,0.25v	0.046	3.85
MSRH105R-220MT	22	±20%	1kHz,0.25v	0.061	3.60
MSRH105R-270MT	27	±20%	1kHz,0.25v	0.069	3.25
MSRH105R-330MT	33	±20%	1kHz,0.25v	0.084	2.95
MSRH105R-470MT	47	±20%	1kHz,0.25v	0.130	2.38
MSRH105R-680MT	68	±20%	1kHz,0.25v	0.201	1.90
MSRH105R-820MT	82	±20%	1kHz,0.25v	0.227	1.75
MSRH105R-101MT	100	±20%	1kHz,0.25v	0.253	1.61
MSRH105R-151MT	150	±20%	1kHz,0.25v	0.370	1.39
MSRH105R-181MT	180	±20%	1kHz,0.25v	0.419	1.24
MSRH105R-221MT	220	±20%	1kHz,0.25v	0.500	1.17
MSRH105R-271MT	270	±20%	1kHz,0.25v	0.672	0.97
MSRH105R-331MT	330	±20%	1kHz,0.25v	0.812	0.89
MSRH105R-471MT	470	±20%	1kHz,0.25v	1.289	0.77
MSRH105R-102MT	1000	±20%	1kHz,0.25v	1.989	0.56

Products with other electrical characteristic can be provided upon customer's request. Please contact your local sales.

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