

## 1. Features

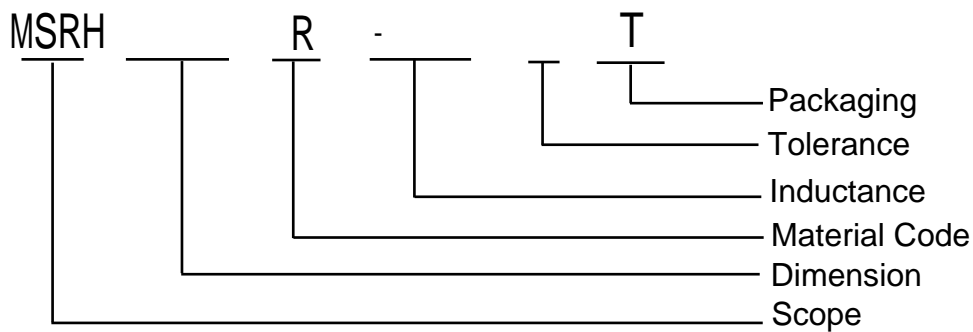
- Low profile
- Magnetic shielded
- SMT type, suitable for reflow soldering.



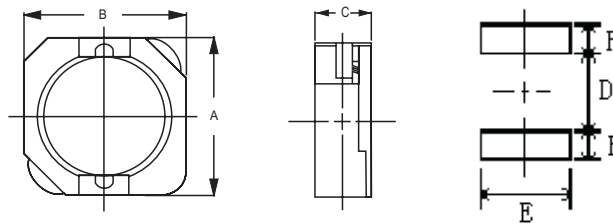
## 2. APPLICATIONS

- 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
MSRH104R	10.2±0.3	10.0±0.3	4.0MAX	7.8	3.0	1.2

**Appendix A: Electrical Characteristics**
**I. MSRH104R TYPE INDUCTORS ELECTRICAL CHARACTERISTICS&TEST CONDITIONS**

Part Number	L ( $\mu$ H)	Tolerance	Test Freq.	DCR( $\Omega$ )Max	Isat(A)
MSRH104R-1R5NT	1.5	$\pm 30\%$	100kHz,0.25v	0.081	12.5
MSRH104R-2R2NT	2.2	$\pm 30\%$	100kHz,0.25v	0.021	7.50
MSRH104R-3R3NT	3.3	$\pm 30\%$	100kHz,0.25v	0.035	6.00
MSRH104R-3R9NT	3.9	$\pm 30\%$	100kHz,0.25v	0.035	6.00
MSRH104R-4R7NT	4.7	$\pm 30\%$	100kHz,0.25v	0.028	5.50
MSRH104R-5R6NT	5.6	$\pm 30\%$	100kHz,0.25v	0.028	5.50
MSRH104R-6R8NT	6.8	$\pm 30\%$	100kHz,0.25v	0.038	4.80
MSRH104R-100MT	10	$\pm 20\%$	1kHz,0.25v	0.035	5.60
MSRH104R-120MT	12	$\pm 20\%$	1kHz,0.25v	0.046	5.00
MSRH104R-150MT	15	$\pm 20\%$	1kHz,0.25v	0.050	4.40
MSRH104R-180MT	18	$\pm 20\%$	1kHz,0.25v	0.069	4.10
MSRH104R-220MT	22	$\pm 20\%$	1kHz,0.25v	0.073	3.60
MSRH104R-270MT	27	$\pm 20\%$	1kHz,0.25v	0.088	3.28
MSRH104R-330MT	33	$\pm 20\%$	1kHz,0.25v	0.093	2.90
MSRH104R-470MT	47	$\pm 20\%$	1kHz,0.25v	0.128	2.44
MSRH104R-680MT	68	$\pm 20\%$	1kHz,0.25v	0.213	2.08
MSRH104R-820MT	82	$\pm 20\%$	1kHz,0.25v	0.283	1.88
MSRH104R-101MT	100	$\pm 20\%$	1kHz,0.25v	0.304	1.66
MSRH104R-151MT	150	$\pm 20\%$	1kHz,0.25v	0.506	1.40
MSRH104R-181MT	180	$\pm 20\%$	1kHz,0.25v	0.568	1.24
MSRH104R-221MT	220	$\pm 20\%$	1kHz,0.25v	0.756	1.19
MSRH104R-271MT	270	$\pm 20\%$	1kHz,0.25v	0.853	1.06
MSRH104R-331MT	330	$\pm 20\%$	1kHz,0.25v	1.090	0.92
MSRH104R-471MT	470	$\pm 20\%$	1kHz,0.25v	1.900	0.60
MSRH104R-102MT	1000	$\pm 20\%$	1kHz,0.25v	2.450	0.30

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

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