

# SPECIFICATIONS

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Customer : \_\_\_\_\_

Customer P/N: MSRH-R Series

Drawing No : \_\_\_\_\_

Quantity : 0 Pcs. Date : 2017/09/26

Meled P/N : MSRH-R Series/参照

<b>SPECIFICATION</b>	
<b>ACCEPTED BY:</b>	
<b>COMPONENT ENGINEER</b>	
<b>ELECTRICAL ENGINEER</b>	
<b>MECHANICAL ENGINEER</b>	
<b>APPROVED</b>	
<b>REJECTED</b>	

**For Customer approval Only**

Qualification Status:     Full     Restricted     Rejected

Approved By	Verified By	Re-checked By	Checked By

Comments: \_\_\_\_\_

**Meled Electronics Co., Ltd.**

www.meledinc.com

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**Version change history**

Rev.	Effective Date	Changed Contents	Change Reasons	Approved By
01	/	New release	/	/

## 1. Features

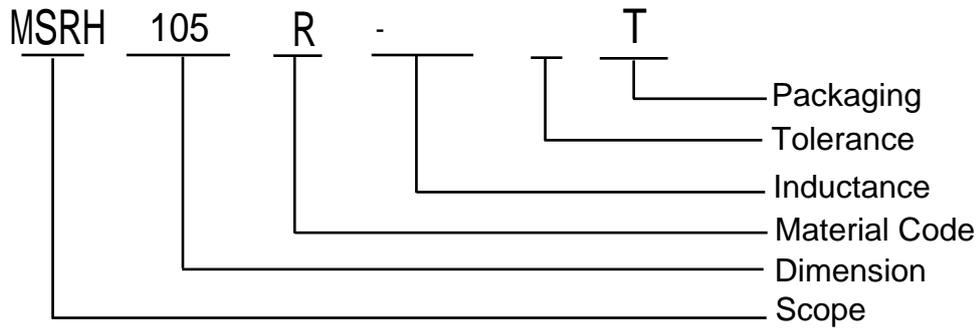
- Low profile
- Magnetic shielded
- SMT type, suitable for reflow soldering.



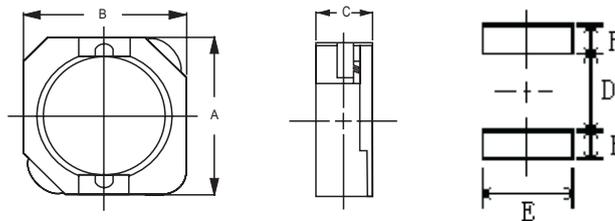
## 2. APPLICATIONS

- 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. MSR105R TYPE INDUCTORS ELECTRICAL CHARACTERISTICS&TEST CONDITIONS

Meled PT/NO.	Inductance L(μH)	Percent Tolerance	Test Frequency	Resistance RDC(Ω)Max.	Rated DC Current		Marking
					IDC1(A)	IDC2(A)	
MSRH105R-1R5□T	1.5	N	100kHz/0.25V	5.8m	10.5	8.30	1R5
MSRH105R-2R2□T	2.2	M,N	100kHz/0.25V	7.2m	9.25	7.50	2R2
MSRH105R-3R3□T	3.3	N	100kHz/0.25V	10.4m	7.80	6.50	3R3
MSRH105R-4R7□T	4.7	M,N	100kHz/0.25V	12.3m	6.40	6.10	4R7
MSRH105R-6R8□T	6.8	N	100kHz/0.25V	18m	5.40	5.40	6R8
MSRH105R-8R2□T	8.2	M,N	100kHz/0.25V	20m	4.85	5.00	8R2

※ □ specify the inductance tolerance,K(±10%),M(±20%),N(±30%)

※ IDC1 : Based on inductance change ( $\Delta L/L_0$  :  $\leq$  drop 35%) @ambient temperature 25°C

IDC2 : Based on temperature rise ( $\Delta T$  : 40°C TYP.)

Rated DC Current : The less value which is IDC1 or IDC2.

Operate temperature range: -40°C ~ +125°C(Including self temp. rise)

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