

SPECIFICATIONS

Customer : _____

Customer P/N: MSRH-D Series

Drawing No : _____

Quantity : 0 Pcs. Date : 2017/09/06

Chilisin P/N : MSRH-D Series/參照

| | |
|----------------------------|--|
| SPECIFICATION | |
| ACCEPTED BY: | |
| COMPONENT ENGINEER | |
| ELECTRICAL ENGINEER | |
| MECHANICAL ENGINEER | |
| APPROVED | |
| REJECTED | |

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

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

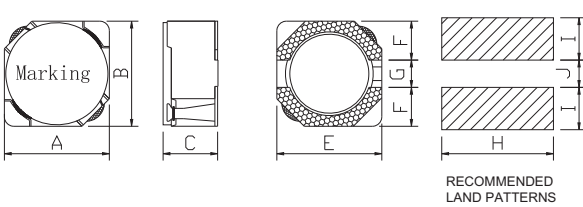
- Portable communication equipment
- Notebook Computer
- DC/DC converters etc.

3. PRODUCT IDENTIFICATION

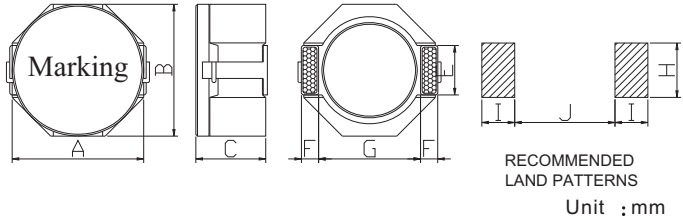


4. Shape and Dimensions

MSRH3D**~MSRH6D**



MSRH8D**



Unit : mm

| Part | A | B | C | E(typ.) | F(typ.) | G(typ.) | H(typ.) | I(typ.) | H(typ.) |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| MSRH3D18 | 3.8±0.2 | 3.8±0.2 | 1.8±0.2 | 3.8 | 1.3 | 1.2 | 4.5 | 1.5 | 1.0 |
| MSRH3D28 | 3.8±0.2 | 3.8±0.2 | 2.8±0.2 | 3.8 | 1.3 | 1.2 | 4.5 | 1.5 | 1.0 |
| MSRH4D18 | 4.7±0.3 | 4.7±0.3 | 1.8±0.2 | 4.7 | 1.6 | 1.5 | 5.3 | 1.9 | 1.5 |
| MSRH4D28 | 4.7±0.3 | 4.7±0.3 | 2.8±0.2 | 4.7 | 1.6 | 1.5 | 5.3 | 1.9 | 1.5 |
| MSRH5D18 | 5.7±0.3 | 5.7±0.3 | 1.8±0.2 | 5.7 | 1.85 | 2.0 | 6.3 | 2.15 | 2.0 |
| MSRH5D28 | 5.7±0.3 | 5.7±0.3 | 2.8±0.2 | 5.7 | 1.85 | 2.0 | 6.3 | 2.15 | 2.0 |
| MSRH6D28 | 6.7±0.3 | 6.7±0.3 | 2.8±0.2 | 6.7 | 2.35 | 2.0 | 7.3 | 2.0 | 2.65 |
| MSRH6D38 | 6.7±0.3 | 6.7±0.3 | 3.8±0.2 | 6.7 | 2.35 | 2.0 | 7.3 | 2.0 | 2.65 |
| MSRH8D28 | 8.0±0.3 | 8.0±0.3 | 2.8±0.2 | 2.5 | 1.2 | 6.3 | 2.8 | 2.0 | 6.1 |
| MSRH8D38 | 8.0±0.3 | 8.0±0.3 | 3.8±0.2 | 2.5 | 1.2 | 6.3 | 2.8 | 2.0 | 6.1 |
| MSRH8D43 | 8.0±0.3 | 8.0±0.3 | 4.3±0.2 | 2.5 | 1.2 | 6.3 | 2.8 | 2.0 | 6.1 |

Appendix A: Electrical Characteristics

I. MSRH3D18 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS&TEST CONDITIONS

| Part No. | L (μ H) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|---------|-----------|------------|-----------|---------|
| MSRH3D18-1R0NT | 1.0 | ±30% | 100kHz | 0.050 | 2.00 |
| MSRH3D18-1R5NT | 1.5 | ±30% | 100kHz | 0.055 | 1.80 |
| MSRH3D18-2R2NT | 2.2 | ±30% | 100kHz | 0.063 | 1.30 |
| MSRH3D18-3R3NT | 3.3 | ±30% | 100kHz | 0.069 | 1.20 |
| MSRH3D18-4R7NT | 4.7 | ±30% | 100kHz | 0.107 | 0.85 |
| MSRH3D18-5R6NT | 5.6 | ±30% | 100kHz | 0.151 | 0.82 |
| MSRH3D18-6R8NT | 6.8 | ±30% | 100kHz | 0.188 | 0.80 |
| MSRH3D18-8R2NT | 8.2 | ±30% | 100kHz | 0.195 | 0.75 |
| MSRH3D18-100MT | 10 | ±20% | 100kHz | 0.205 | 0.65 |
| MSRH3D18-150MT | 15 | ±20% | 100kHz | 0.302 | 0.55 |
| MSRH3D18-220MT | 22 | ±20% | 100kHz | 0.420 | 0.43 |

II. MSRH3D28 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS&TEST CONDITIONS

| Part No. | L (μ H) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|---------|-----------|------------|-----------|---------|
| MSRH3D28-1R0NT | 1.0 | ±30% | 100kHz | 0.054 | 2.10 |
| MSRH3D28-2R2NT | 2.2 | ±30% | 100kHz | 0.080 | 1.95 |
| MSRH3D28-3R3NT | 3.3 | ±30% | 100kHz | 0.085 | 1.70 |
| MSRH3D28-4R7NT | 4.7 | ±30% | 100kHz | 0.095 | 1.40 |
| MSRH3D28-5R6NT | 5.6 | ±30% | 100kHz | 0.106 | 1.30 |
| MSRH3D28-6R8NT | 6.8 | ±30% | 100kHz | 0.116 | 1.20 |
| MSRH3D28-8R2NT | 8.2 | ±30% | 100kHz | 0.118 | 1.10 |
| MSRH3D28-100MT | 10 | ±30% | 100kHz | 0.200 | 0.90 |
| MSRH3D28-150MT | 15 | ±20% | 100kHz | 0.238 | 0.70 |
| MSRH3D28-220MT | 22 | ±20% | 100kHz | 0.251 | 0.60 |
| MSRH3D28-330MT | 33 | ±20% | 100kHz | 0.383 | 0.50 |
| MSRH3D28-470MT | 47 | ±20% | 100kHz | 0.599 | 0.42 |
| MSRH3D28-560MT | 56 | ±20% | 100kHz | 0.706 | 0.39 |
| MSRH3D28-680MT | 68 | ±20% | 100kHz | 0.790 | 0.36 |
| MSRH3D28-820MT | 82 | ±20% | 100kHz | 0.901 | 0.33 |

III. MSRH4D18 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μ H) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|---------|-----------|------------|-----------|---------|
| MSRH4D18-1R2NT | 1.2 | ±30% | 100kHz | 0.045 | 1.72 |
| MSRH4D18-1R5NT | 1.5 | ±30% | 100kHz | 0.060 | 1.45 |
| MSRH4D18-2R2NT | 2.2 | ±30% | 100kHz | 0.075 | 1.32 |
| MSRH4D18-3R3NT | 3.3 | ±30% | 100kHz | 0.085 | 0.90 |
| MSRH4D18-4R7NT | 4.7 | ±30% | 100kHz | 0.090 | 0.85 |
| MSRH4D18-5R6NT | 5.6 | ±30% | 100kHz | 0.107 | 0.80 |
| MSRH4D18-6R8NT | 6.8 | ±30% | 100kHz | 0.120 | 0.76 |
| MSRH4D18-8R2NT | 8.2 | ±30% | 100kHz | 0.160 | 0.69 |
| MSRH4D18-100MT | 10 | ±20% | 100kHz | 0.200 | 0.61 |
| MSRH4D18-120MT | 12 | ±20% | 100kHz | 0.210 | 0.56 |
| MSRH4D18-150MT | 15 | ±20% | 100kHz | 0.240 | 0.50 |
| MSRH4D18-180MT | 18 | ±20% | 100kHz | 0.338 | 0.48 |
| MSRH4D18-220MT | 22 | ±20% | 100kHz | 0.397 | 0.41 |
| MSRH4D18-330MT | 33 | ±20% | 100kHz | 0.455 | 0.40 |
| MSRH4D18-470MT | 47 | ±20% | 100kHz | 0.740 | 0.39 |
| MSRH4D18-560MT | 56 | ±20% | 100kHz | 0.902 | 0.36 |

III. MSRH4D28 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH4D28-1R0NT | 1.0 | ±30% | 100kHz | 0.020 | 3.00 |
| MSRH4D28-1R5NT | 1.5 | ±30% | 100kHz | 0.033 | 2.56 |
| MSRH4D28-1R8NT | 1.8 | ±30% | 100kHz | 0.043 | 2.35 |
| MSRH4D28-2R2NT | 2.2 | ±30% | 100kHz | 0.045 | 2.04 |
| MSRH4D28-3R3NT | 3.3 | ±30% | 100kHz | 0.065 | 1.57 |
| MSRH4D28-4R7NT | 4.7 | ±30% | 100kHz | 0.072 | 1.32 |
| MSRH4D28-5R6NT | 5.6 | ±30% | 100kHz | 0.075 | 1.30 |
| MSRH4D28-6R8NT | 6.8 | ±30% | 100kHz | 0.108 | 1.12 |
| MSRH4D28-8R2NT | 8.2 | ±30% | 100kHz | 0.117 | 1.04 |
| MSRH4D28-100MT | 10 | ±20% | 100kHz | 0.128 | 1.00 |
| MSRH4D28-150MT | 15 | ±20% | 100kHz | 0.180 | 0.80 |
| MSRH4D28-180MT | 18 | ±20% | 100kHz | 0.200 | 0.73 |
| MSRH4D28-220MT | 22 | ±20% | 100kHz | 0.235 | 0.70 |
| MSRH4D28-330MT | 33 | ±20% | 100kHz | 0.378 | 0.56 |
| MSRH4D28-470MT | 47 | ±20% | 100kHz | 0.587 | 0.48 |
| MSRH4D28-560MT | 56 | ±20% | 100kHz | 0.622 | 0.42 |
| MSRH4D28-680MT | 68 | ±20% | 100kHz | 0.690 | 0.38 |
| MSRH4D28-820MT | 82 | ±20% | 100kHz | 0.792 | 0.33 |
| MSRH4D28-101MT | 100 | ±20% | 100kHz | 1.020 | 0.29 |
| MSRH4D28-151MT | 150 | ±20% | 100kHz | 1.350 | 0.28 |

IV. MSRH5D18 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH5D18-1R0NT | 1.0 | ±30% | 10kHz | 0.028 | 3.00 |
| MSRH5D18-2R2NT | 2.2 | ±30% | 10kHz | 0.041 | 2.45 |
| MSRH5D18-3R3NT | 3.3 | ±30% | 10kHz | 0.055 | 2.20 |
| MSRH5D18-4R7NT | 4.7 | ±30% | 10kHz | 0.070 | 1.80 |
| MSRH5D18-5R6NT | 5.6 | ±30% | 10kHz | 0.076 | 1.60 |
| MSRH5D18-6R8NT | 6.8 | ±30% | 10kHz | 0.095 | 1.42 |
| MSRH5D18-8R2NT | 8.2 | ±30% | 10kHz | 0.108 | 1.30 |
| MSRH5D18-100MT | 10 | ±20% | 10kHz | 0.124 | 1.20 |
| MSRH5D18-220MT | 22 | ±20% | 10kHz | 0.290 | 0.80 |
| MSRH5D18-330MT | 33 | ±20% | 10kHz | 0.400 | 0.60 |
| MSRH5D18-470MT | 47 | ±20% | 10kHz | 0.595 | 0.54 |
| MSRH5D18-560MT | 56 | ±20% | 10kHz | 0.634 | 0.48 |
| MSRH5D18-680MT | 68 | ±20% | 10kHz | 0.670 | 0.44 |
| MSRH5D18-820MT | 82 | ±20% | 10kHz | 0.978 | 0.41 |
| MSRH5D18-101MT | 100 | ±20% | 10kHz | 1.112 | 0.35 |

V. MSRH5D28 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH5D28-1R5NT | 1.5 | ±30% | 10kHz | 0.023 | 3.00 |
| MSRH5D28-1R8NT | 1.8 | ±30% | 10kHz | 0.035 | 2.80 |
| MSRH5D28-2R2NT | 2.2 | ±30% | 10kHz | 0.036 | 2.60 |
| MSRH5D28-3R3NT | 3.3 | ±30% | 10kHz | 0.038 | 2.30 |
| MSRH5D28-3R9NT | 3.9 | ±30% | 10kHz | 0.039 | 2.20 |
| MSRH5D28-4R7NT | 4.7 | ±30% | 10kHz | 0.041 | 2.00 |
| MSRH5D28-5R6NT | 5.6 | ±30% | 10kHz | 0.045 | 1.80 |
| MSRH5D28-6R2NT | 6.2 | ±30% | 10kHz | 0.045 | 1.80 |
| MSRH5D28-6R8NT | 6.8 | ±30% | 10kHz | 0.047 | 1.75 |
| MSRH5D28-8R2NT | 8.2 | ±30% | 10kHz | 0.053 | 1.60 |
| MSRH5D28-100MT | 10 | ±20% | 10kHz | 0.067 | 1.20 |
| MSRH5D28-150MT | 15 | ±20% | 10kHz | 0.103 | 1.10 |
| MSRH5D28-220MT | 22 | ±20% | 10kHz | 0.150 | 0.90 |
| MSRH5D28-270MT | 27 | ±20% | 10kHz | 0.175 | 0.85 |
| MSRH5D28-330MT | 33 | ±20% | 10kHz | 0.189 | 0.75 |
| MSRH5D28-470MT | 47 | ±20% | 10kHz | 0.300 | 0.62 |
| MSRH5D28-560MT | 56 | ±20% | 10kHz | 0.305 | 0.58 |
| MSRH5D28-680MT | 68 | ±20% | 10kHz | 0.355 | 0.52 |
| MSRH5D28-820MT | 82 | ±20% | 10kHz | 0.468 | 0.45 |
| MSRH5D28-101MT | 100 | ±20% | 10kHz | 0.520 | 0.42 |
| MSRH5D28-221MT | 220 | ±20% | 10kHz | 1.680 | 0.30 |
| MSRH5D28-331MT | 330 | ±20% | 10kHz | 2.050 | 0.25 |
| MSRH5D28-471MT | 470 | ±20% | 10kHz | 3.570 | 0.20 |

VI. MSRH6D28 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH6D28-1R0NT | 1.0 | ±30% | 10kHz | 0.018 | 4.50 |
| MSRH6D28-2R2NT | 2.2 | ±30% | 10kHz | 0.025 | 3.50 |
| MSRH6D28-3R0NT | 3.0 | ±30% | 10kHz | 0.032 | 3.00 |
| MSRH6D28-3R3NT | 3.3 | ±30% | 10kHz | 0.035 | 3.00 |
| MSRH6D28-4R7NT | 4.7 | ±30% | 10kHz | 0.039 | 2.50 |
| MSRH6D28-5R0NT | 5.0 | ±30% | 10kHz | 0.039 | 2.50 |
| MSRH6D28-6R8NT | 6.8 | ±30% | 10kHz | 0.054 | 2.10 |
| MSRH6D28-8R2NT | 8.2 | ±30% | 10kHz | 0.060 | 1.90 |
| MSRH6D28-100MT | 10 | ±20% | 10kHz | 0.065 | 1.70 |
| MSRH6D28-150MT | 15 | ±20% | 10kHz | 0.080 | 1.50 |
| MSRH6D28-180MT | 18 | ±20% | 10kHz | 0.095 | 1.32 |
| MSRH6D28-220MT | 22 | ±20% | 10kHz | 0.128 | 1.20 |
| MSRH6D28-330MT | 33 | ±20% | 10kHz | 0.175 | 1.00 |
| MSRH6D28-470MT | 47 | ±20% | 10kHz | 0.238 | 0.80 |
| MSRH6D28-680MT | 68 | ±20% | 10kHz | 0.350 | 0.70 |
| MSRH6D28-820MT | 82 | ±20% | 10kHz | 0.500 | 0.60 |
| MSRH6D28-101MT | 100 | ±20% | 10kHz | 0.535 | 0.54 |
| MSRH6D28-221MT | 220 | ±20% | 10kHz | 1.200 | 0.30 |
| MSRH6D28-331MT | 330 | ±20% | 10kHz | 1.790 | 0.25 |

VII. MSRH6D38 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH6D38-1R0NT | 1.0 | ±30% | 10kHz | 0.016 | 4.50 |
| MSRH6D38-1R5NT | 1.5 | ±30% | 10kHz | 0.017 | 4.20 |
| MSRH6D38-2R2NT | 2.2 | ±30% | 10kHz | 0.019 | 4.00 |
| MSRH6D38-3R3NT | 3.3 | ±30% | 10kHz | 0.020 | 3.72 |
| MSRH6D38-4R7NT | 4.7 | ±30% | 10kHz | 0.032 | 3.20 |
| MSRH6D38-5R6NT | 5.6 | ±30% | 10kHz | 0.033 | 2.80 |
| MSRH6D38-6R8NT | 6.8 | ±30% | 10kHz | 0.034 | 2.50 |
| MSRH6D38-8R2NT | 8.2 | ±30% | 10kHz | 0.045 | 2.20 |
| MSRH6D38-100MT | 10 | ±20% | 10kHz | 0.048 | 2.00 |
| MSRH6D38-120MT | 12 | ±20% | 10kHz | 0.053 | 1.70 |
| MSRH6D38-150MT | 15 | ±20% | 10kHz | 0.057 | 1.60 |
| MSRH6D38-180MT | 18 | ±20% | 10kHz | 0.092 | 1.50 |
| MSRH6D38-220MT | 22 | ±20% | 10kHz | 0.096 | 1.30 |
| MSRH6D38-270MT | 27 | ±20% | 10kHz | 0.109 | 1.20 |
| MSRH6D38-330MT | 33 | ±20% | 10kHz | 0.124 | 1.10 |
| MSRH6D38-390MT | 39 | ±20% | 10kHz | 0.138 | 1.00 |
| MSRH6D38-470MT | 47 | ±20% | 10kHz | 0.155 | 0.95 |
| MSRH6D38-560MT | 56 | ±20% | 10kHz | 0.202 | 0.85 |
| MSRH6D38-680MT | 68 | ±20% | 10kHz | 0.234 | 0.75 |
| MSRH6D38-820MT | 82 | ±20% | 10kHz | 0.324 | 0.70 |
| MSRH6D38-101MT | 100 | ±20% | 10kHz | 0.358 | 0.65 |
| MSRH6D38-221MT | 220 | ±20% | 10kHz | 0.810 | 0.45 |
| MSRH6D38-331MT | 330 | ±20% | 10kHz | 1.350 | 0.38 |

VIII. MSRH8D28 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH8D28-1R0NT | 1.0 | ±30% | 100kHz | 0.020 | 6.00 |
| MSRH8D28-2R2NT | 2.2 | ±30% | 100kHz | 0.025 | 5.00 |
| MSRH8D28-3R3NT | 3.3 | ±30% | 100kHz | 0.040 | 4.80 |
| MSRH8D28-4R7NT | 4.7 | ±30% | 100kHz | 0.048 | 3.80 |
| MSRH8D28-6R8NT | 6.8 | ±30% | 100kHz | 0.052 | 3.50 |
| MSRH8D28-100MT | 10 | ±20% | 100kHz | 0.083 | 2.65 |
| MSRH8D28-150MT | 15 | ±20% | 100kHz | 0.095 | 2.55 |
| MSRH8D28-220MT | 22 | ±20% | 100kHz | 0.182 | 1.80 |
| MSRH8D28-330MT | 33 | ±20% | 100kHz | 0.230 | 1.40 |
| MSRH8D28-470MT | 47 | ±20% | 100kHz | 0.300 | 1.20 |
| MSRH8D28-680MT | 68 | ±20% | 100kHz | 0.400 | 1.00 |
| MSRH8D28-101MT | 100 | ±20% | 100kHz | 0.750 | 0.80 |

IX. MSRH8D38 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH8D38-1R0NT | 1.0 | ±30% | 100kHz | 0.018 | 6.50 |
| MSRH8D38-1R8NT | 1.8 | ±30% | 100kHz | 0.020 | 6.20 |
| MSRH8D38-2R2NT | 2.2 | ±30% | 100kHz | 0.023 | 6.00 |
| MSRH8D38-3R3NT | 3.3 | ±30% | 100kHz | 0.027 | 5.50 |
| MSRH8D38-3R9NT | 3.9 | ±30% | 100kHz | 0.028 | 5.10 |
| MSRH8D38-4R7NT | 4.7 | ±30% | 100kHz | 0.029 | 5.00 |
| MSRH8D38-5R6NT | 5.6 | ±30% | 100kHz | 0.031 | 4.20 |
| MSRH8D38-6R8NT | 6.8 | ±30% | 100kHz | 0.043 | 3.80 |
| MSRH8D38-8R2NT | 8.2 | ±30% | 100kHz | 0.046 | 3.50 |
| MSRH8D38-100MT | 10 | ±20% | 100kHz | 0.049 | 3.20 |
| MSRH8D38-150MT | 15 | ±20% | 100kHz | 0.090 | 2.70 |
| MSRH8D38-220MT | 22 | ±20% | 100kHz | 0.105 | 2.30 |
| MSRH8D38-330MT | 33 | ±20% | 100kHz | 0.138 | 1.80 |
| MSRH8D38-470MT | 47 | ±20% | 100kHz | 0.189 | 1.50 |
| MSRH8D38-560MT | 56 | ±20% | 100kHz | 0.257 | 1.40 |
| MSRH8D38-680MT | 68 | ±20% | 100kHz | 0.268 | 1.20 |
| MSRH8D38-820MT | 82 | ±20% | 100kHz | 0.323 | 1.15 |
| MSRH8D38-101MT | 100 | ±20% | 100kHz | 0.450 | 1.05 |
| MSRH8D38-151MT | 150 | ±20% | 100kHz | 0.521 | 0.90 |
| MSRH8D38-221MT | 220 | ±20% | 100kHz | 0.652 | 0.70 |
| MSRH8D38-331MT | 330 | ±20% | 100kHz | 1.000 | 0.60 |
| MSRH8D38-471MT | 470 | ±20% | 100kHz | 1.540 | 0.50 |

X. MSRH8D43 TYPE INDUCTORS ELECTRICAL CHARACTERISTICS & TEST CONDITIONS

| Part No. | L (μH) | Tolerance | Test Freq. | DCR(Ω)Max | Isat(A) |
|----------------|--------|-----------|------------|-----------|---------|
| MSRH8D43-1R0NT | 1.0 | ±30% | 100kHz | 0.016 | 8.00 |
| MSRH8D43-2R2NT | 2.2 | ±30% | 100kHz | 0.020 | 6.00 |
| MSRH8D43-3R3NT | 3.3 | ±30% | 100kHz | 0.022 | 5.50 |
| MSRH8D43-4R7NT | 4.7 | ±30% | 100kHz | 0.027 | 4.80 |
| MSRH8D43-5R6NT | 5.6 | ±30% | 100kHz | 0.029 | 4.60 |
| MSRH8D43-6R8NT | 6.8 | ±30% | 100kHz | 0.035 | 4.40 |
| MSRH8D43-8R2NT | 8.2 | ±30% | 100kHz | 0.036 | 4.00 |
| MSRH8D43-100MT | 10 | ±20% | 100kHz | 0.043 | 3.60 |
| MSRH8D43-120MT | 12 | ±20% | 100kHz | 0.064 | 3.10 |
| MSRH8D43-150MT | 15 | ±20% | 100kHz | 0.074 | 2.90 |
| MSRH8D43-220MT | 22 | ±20% | 100kHz | 0.075 | 2.60 |
| MSRH8D43-270MT | 27 | ±20% | 100kHz | 0.106 | 2.30 |
| MSRH8D43-330MT | 33 | ±20% | 100kHz | 0.152 | 1.90 |
| MSRH8D43-390MT | 39 | ±20% | 100kHz | 0.163 | 1.60 |
| MSRH8D43-470MT | 47 | ±20% | 100kHz | 0.175 | 1.50 |
| MSRH8D43-560MT | 56 | ±20% | 100kHz | 0.210 | 1.30 |
| MSRH8D43-680MT | 68 | ±20% | 100kHz | 0.280 | 1.20 |
| MSRH8D43-820MT | 82 | ±20% | 100kHz | 0.320 | 1.10 |
| MSRH8D43-101MT | 100 | ±20% | 100kHz | 0.430 | 1.00 |
| MSRH8D43-121MT | 120 | ±20% | 100kHz | 0.450 | 0.90 |
| MSRH8D43-151MT | 150 | ±20% | 100kHz | 0.505 | 0.80 |
| MSRH8D43-221MT | 220 | ±20% | 100kHz | 0.756 | 0.60 |
| MSRH8D43-331MT | 330 | ±20% | 100kHz | 1.060 | 0.50 |
| MSRH8D43-471MT | 470 | ±20% | 100kHz | 1.168 | 0.45 |
| MSRH8D43-561MT | 560 | ±20% | 100kHz | 1.610 | 0.40 |
| MSRH8D43-681MT | 680 | ±20% | 100kHz | 1.800 | 0.35 |

Isat: Saturation Current, the current when the inductance becomes 35% lower than its initial value.

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