

FEATURES

- RoHS compliant.
- Super low resistance, ultra high current rating.
- High performance (I sat) realized by metal dust core.
- Frequency Range: up to 1MHz.

APPLICATION

- PDA, notebook, desktop, and server applications.
- Low profile, high current power supplies.
- DC/DC converters in distributed power systems.
- DC/DC converters for field programmable gate array.

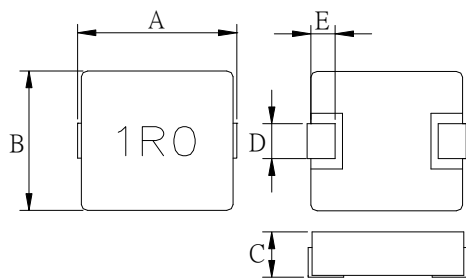
PRODUCT IDENTIFICATION

① ② ③ ④ ⑤

MMD - 04AB - 1R0 M - V1

- ① Product Code
- ② Dimensions: 04AB = 4.5 x 4.0 x 1.2 mm
- ③ Inductance Code: 1R0 = 1.0 μ H
- ④ Tolerance: M = $\pm 20\%$
- ⑤ Series Type : V1 Type

PRODUCT DIMENSION



NOTE : Dimension in mm

| PRODUCT NO. | A | B | C | D | E |
|-------------|-----------------|-----------------|--------|----------------|----------------|
| MMD-04AB | 4.45 \pm 0.25 | 4.06 \pm 0.25 | 1.2Max | 2.0 \pm 0.3 | 0.76 \pm 0.3 |
| MMD-04BZ | 4.45 \pm 0.25 | 4.06 \pm 0.25 | 2.0Max | 2.0 \pm 0.3 | 0.76 \pm 0.3 |
| MMD-05BZ | 5.0 \pm 0.2 | 4.7 \pm 0.2 | 2.0Max | 2.0 \pm 0.3 | 1.0 \pm 0.3 |
| MMD-05CZ | 5.0 \pm 0.2 | 4.7 \pm 0.2 | 3.0Max | 2.0 \pm 0.3 | 1.0 \pm 0.3 |
| MMD-06AB | 6.86 \pm 0.38 | 6.47 \pm 0.25 | 1.2Max | 3.0 \pm 0.3 | 1.27 \pm 0.3 |
| MMD-06AE | 6.86 \pm 0.38 | 6.47 \pm 0.25 | 1.5Max | 3.0 \pm 0.3 | 1.27 \pm 0.3 |
| MMD-06AH | 6.86 \pm 0.38 | 6.47 \pm 0.25 | 1.8Max | 3.0 \pm 0.3 | 1.27 \pm 0.3 |
| MMD-06CZ | 6.86 \pm 0.38 | 6.47 \pm 0.25 | 3.0Max | 3.18 \pm 0.3 | 1.27 \pm 0.3 |
| MMD-06DZ | 6.86 \pm 0.38 | 6.47 \pm 0.25 | 3.0Max | 3.18 \pm 0.3 | 1.27 \pm 0.3 |
| MMD-06EZ | 6.86 \pm 0.38 | 6.47 \pm 0.25 | 5.0Max | 3.18 \pm 0.3 | 1.27 \pm 0.3 |
| MMD-10DZ | 11.5 Max | 10.0 \pm 0.3 | 4.0Max | 3.0 \pm 0.5 | 2.2 \pm 0.3 |
| MMD-12CE | 13.2 \pm 0.5 | 12.9Max | 3.5Max | 3.5 \pm 0.5 | 2.3 \pm 0.3 |
| MMD-12EZ | 13.2 \pm 0.5 | 12.9Max | 5.0Max | 3.5 \pm 0.5 | 2.3 \pm 0.3 |
| MMD-12FD | 13.2 \pm 0.5 | 12.9Max | 6.4Max | 3.1 \pm 0.5 | 2.3 \pm 0.3 |

MMD-04AB SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|--|--|
| | | Typ. | Max | | |
| MMD-04AB-47NM-V1 | 0.047 | 3.25 | 3.75 | 13.0 | 32.0 |
| MMD-04AB-R10M-V1 | 0.10 | 5.50 | 6.00 | 11.5 | 25.0 |
| MMD-04AB-R22M-V1 | 0.22 | 11.0 | 12.0 | 8.5 | 20.0 |
| MMD-04AB-R47M-V1 | 0.47 | 20.0 | 22.0 | 5.0 | 13.0 |
| MMD-04AB-1R0M-V1 | 1.00 | 50.0 | 52.5 | 4.0 | 8.5 |
| MMD-04AB-2R2M-S1 | 2.2 | 80.2 | 90.0 | 2.45 | 2.75 |
| MMD-04AB-3R3M-S1 | 3.3 | 113 | 124 | 1.85 | 2.30 |
| MMD-04AB-4R7M-S1 | 4.7 | 130 | 145 | 1.50 | 1.70 |
| MMD-04AB-6R8M-S1 | 6.8 | 312 | 374 | 1.4 | 1.6 |
| MMD-04AB-8R2M-S1 | 8.2 | 341 | 409 | 1.3 | 1.5 |
| MMD-04AB-100M-S1 | 10 | 386 | 463 | 1.2 | 1.4 |

MMD-04BZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|--|--|
| | | Typ. | Max | | |
| MMD-04BZ-R10M-V1 | 0.10 | 4.50 | 5.00 | 11.0 | 35.0 |
| MMD-04BZ-R22M-V1 | 0.22 | 7.30 | 8.00 | 13.0 | 24.0 |
| MMD-04BZ-R33M-V1 | 0.33 | 11.6 | 13.0 | 9.30 | 18.0 |
| MMD-04BZ-R47M-V1 | 0.47 | 16.0 | 18.0 | 5.60 | 11.5 |
| MMD-04BZ-1R0M-V1 | 1.00 | 33.0 | 37.0 | 3.75 | 8.50 |
| MMD-04BZ-2R2M-V1 | 2.20 | 80.0 | 90.0 | 2.85 | 6.00 |
| MMD-04BZ-4R7M-S1 | 4.7 | 118 | 132 | 2.4 | 2.8 |
| MMD-04BZ-6R8M-S1 | 6.8 | 162 | 178 | 2 | 2.1 |
| MMD-04BZ-8R2M-S1 | 8.2 | 188 | 207 | 1.8 | 2.0 |
| MMD-04BZ-100M-S1 | 10 | 256 | 282 | 1.6 | 1.8 |
| MMD-04BZ-220M-S1 | 22 | 460 | 550 | 0.8 | 1.0 |

MMD-05BZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|-----|--|--|
| | | Typ. | Max | | |
| MMD-05BZ-R10M-M1 | 0.10 | 3.6 | 3.9 | 17 | 38.3 |
| MMD-05BZ-R22M-M1 | 0.22 | 4.9 | 5.2 | 15 | 18.7 |



MAG.LAYERS

| | | | | | |
|------------------|------|------|-------|------|------|
| MMD-05BZ-R33M-M1 | 0.33 | 7.6 | 8.2 | 12 | 21.3 |
| MMD-05BZ-R47M-M1 | 0.47 | 8.1 | 8.8 | 11.5 | 17.9 |
| MMD-05BZ-R68M-M1 | 0.68 | 11.2 | 12.4 | 10 | 12.8 |
| MMD-05BZ-1R0M-M1 | 1.0 | 18.9 | 20 | 7 | 13.7 |
| MMD-05BZ-2R2M-M1 | 2.2 | 45.6 | 50.1 | 4.2 | 10.7 |
| MMD-05BZ-3R3M-M1 | 3.3 | 79.2 | 85.5 | 3.3 | 7.3 |
| MMD-05BZ-4R7M-M1 | 4.7 | 108 | 116.6 | 2.8 | 4.3 |
| MMD-05BZ-5R6M-M1 | 5.6 | 113 | 122 | 2.5 | 3.9 |
| MMD-05BZ-6R8M-M1 | 6.8 | 139 | 150 | 2.4 | 3.7 |
| MMD-05BZ-100M-M1 | 10 | 184 | 199 | 2.3 | 3.4 |

MMD-05CZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|-----|--|--|
| | | Typ. | Max | | |
| MMD-05CZ-R68M-X1 | 0.68 | 11 | 12 | 8.5 | 14 |
| MMD-05CZ-1R0M-X1 | 1.0 | 13 | 14 | 7.0 | 11 |
| MMD-05CZ-1R2M-X1 | 1.2 | 15 | 16 | 6.5 | 10.5 |
| MMD-05CZ-1R5M-X1 | 1.5 | 20 | 25 | 6.0 | 10 |
| MMD-05CZ-2R2M-X1 | 2.2 | 29 | 35 | 5.5 | 9 |
| MMD-05CZ-3R3M-X1 | 3.3 | 32 | 38 | 5.0 | 7 |
| MMD-05CZ-4R7M-X1 | 4.7 | 47.7 | 53 | 4.6 | 6 |

MMD-06AB SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|--|--|
| | | Typ. | Max | | |
| MMD-06AB-R47M-M1 | 0.47 | 15 | 17 | 8 | 11 |
| MMD-06AB-R68M-M1 | 0.68 | 17 | 19 | 7 | 8 |
| MMD-06AB-1R0M-M1 | 1.0 | 26 | 28 | 6 | 7 |
| MMD-06AB-1R5M-M1 | 1.5 | 35.5 | 40.8 | 4 | 6 |
| MMD-06AB-3R3M-S1 | 3.3 | 90 | 103 | 3 | 3.6 |
| MMD-06AB-4R7M-S1 | 4.7 | 155 | 170 | 2.4 | 2.8 |
| MMD-06AB-6R8M-S1 | 6.8 | 189 | 217 | 2.1 | 2.4 |
| MMD-06AB-100M-S1 | 10 | 250 | 290 | 1.8 | 2.2 |

MMD-06AE SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|--|--|
| | | Typ. | Max | | |
| MMD-06AE-3R3M-S1 | 3.3 | 78.2 | 89.9 | 4.2 | 5.1 |
| MMD-06AE-4R7M-S1 | 4.7 | 96.6 | 111 | 3.8 | 4.6 |
| MMD-06AE-5R6M-S1 | 5.6 | 146 | 167 | 2.8 | 3.1 |
| MMD-06AE-6R8M-S1 | 6.8 | 173 | 198 | 2.4 | 2.64 |
| MMD-06AE-8R2M-S1 | 8.2 | 188 | 216 | 2.3 | 2.5 |
| MMD-06AE-100M-S1 | 10 | 216 | 248 | 2.16 | 2.3 |

MMD-06AH SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|--|--|
| | | Typ. | Max | | |
| MMD-06AH-R10M-V1 | 0.10 | 3.0 | 3.5 | 18 | 40 |
| MMD-06AH-R22M-V1 | 0.22 | 5.3 | 5.7 | 14 | 26 |
| MMD-06AH-R33M-V1 | 0.33 | 6.6 | 7.0 | 12 | 18 |
| MMD-06AH-R47M-V1 | 0.47 | 8.4 | 9.3 | 11 | 18 |
| MMD-06AH-R82M-V1 | 0.82 | 13.8 | 15.9 | 8 | 17 |
| MMD-06AH-1R0M-V1 | 1.0 | 17.5 | 18.3 | 7 | 14 |
| MMD-06AH-2R2M-V1 | 2.2 | 40.3 | 46.0 | 3.75 | 13 |
| MMD-06AH-3R3M-V1 | 3.3 | 56.2 | 60.1 | 3.25 | 10 |
| MMD-06AH-4R7M-V1 | 4.7 | 76.6 | 78.0 | 3 | 8 |
| MMD-06AH-6R8M-S1 | 6.8 | 120 | 138 | 2.5 | 3.8 |
| MMD-06AH-8R2M-S1 | 8.2 | 132 | 151 | 2.2 | 3.2 |
| MMD-06AH-100M-S1 | 10 | 145 | 166 | 2.0 | 2.3 |

MMD-06CZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT(I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|-----|--|--|
| | | Typ. | Max | | |
| MMD-06CZ-R10M-V1 | 0.10 | 1.5 | 1.7 | 32.5 | 60.0 |
| MMD-06CZ-R22M-V1 | 0.22 | 2.5 | 2.8 | 23.0 | 40.0 |
| MMD-06CZ-R33M-V1 | 0.33 | 3.5 | 3.9 | 20.0 | 30.0 |
| MMD-06CZ-R47M-V1 | 0.47 | 4.0 | 4.2 | 17.5 | 26.0 |
| MMD-06CZ-R68M-V1 | 0.68 | 5.0 | 5.5 | 15.5 | 25.0 |



| | | | | | |
|------------------|------|------|------|------|------|
| MMD-06CZ-R82M-V1 | 0.82 | 6.7 | 8 | 13.0 | 24.0 |
| MMD-06CZ-1R0M-V1 | 1.0 | 9 | 10 | 11.0 | 22.0 |
| MMD-06CZ-1R5M-V1 | 1.5 | 14 | 15 | 9.0 | 18.0 |
| MMD-06CZ-2R2M-V1 | 2.2 | 18 | 20 | 8.0 | 14.0 |
| MMD-06CZ-3R3M-V1 | 3.3 | 28 | 30 | 6.0 | 13.5 |
| MMD-06CZ-4R7M-V1 | 4.7 | 37 | 40 | 5.5 | 10.0 |
| MMD-06CZ-6R8M-V1 | 6.8 | 54 | 60 | 4.5 | 8.0 |
| MMD-06CZ-8R2M-V1 | 8.2 | 64 | 68 | 4.0 | 7.5 |
| MMD-06CE-100M-M2 | 10 | 67.8 | 71.2 | 4.0 | 3.5 |

MMD-06DZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT((Idc) DC AMPS ¹ | SATURATION CURRENT(Isat) DC AMPS ² |
|------------------|---|----------------------------------|------|--|---|
| | | Typ. | Max | | |
| MMD-06DZ-R47M-X2 | 0.47 | 2.6 | 2.9 | 22 | 22 |
| MMD-06DZ-R56M-X2 | 0.56 | 3.4 | 3.7 | 18 | 20 |
| MMD-06DZ-R68M-X2 | 0.68 | 3.9 | 4.2 | 13 | 15 |
| MMD-06DZ-1R5M-X2 | 1.5 | 12 | 14 | 10 | 17 |
| MMD-06DZ-2R2M-X2 | 2.2 | 16.5 | 18 | 8.5 | 16 |
| MMD-06DZ-3R3M-X2 | 3.3 | 21 | 23 | 7 | 13 |
| MMD-06DZ-4R7M-X2 | 4.7 | 33.2 | 35.0 | 6.0 | 8.0 |

MMD-06EZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT((Idc) DC AMPS ¹ | SATURATION CURRENT(Isat) DC AMPS ² |
|------------------|---|----------------------------------|------|--|---|
| | | Typ. | Max | | |
| MMD-06EZ-R56M-V1 | 0.56 | 3.4 | 3.6 | 20 | 12 |
| MMD-06EZ-R68M-V1 | 0.68 | 4.2 | 4.5 | 18 | 11.5 |
| MMD-06EZ-R82M-V1 | 0.82 | 4.6 | 4.9 | 16.5 | 13 |
| MMD-06EZ-1R0M-V1 | 1.0 | 5.6 | 6.5 | 13 | 15 |
| MMD-06EZ-1R5M-V1 | 1.5 | 8.6 | 9.0 | 12 | 12 |
| MMD-06EZ-2R2M-V1 | 2.2 | 13 | 13.6 | 10 | 10 |
| MMD-06EZ-3R3M-V1 | 3.3 | 19.9 | 20.9 | 8 | 8 |
| MMD-06EZ-4R7M-V1 | 4.7 | 28.9 | 30.3 | 6.5 | 7 |



MMD-10DZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT((I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|---|--|
| | | Typ. | Max | | |
| MMD-10DZ-R36M-X1 | 0.36 | 1.05 | 1.2 | 30 | 60 |
| MMD-10DZ-R45M-X1 | 0.45 | 1.3 | 1.5 | 29 | 45 |
| MMD-10DZ-R56M-X1 | 0.56 | 1.6 | 1.8 | 25 | 40 |
| MMD-10DZ-R68M-X1 | 0.68 | 2.4 | 2.7 | 22 | 39 |
| MMD-10DZ-R88M-X1 | 0.88 | 2.7 | 3.0 | 20 | 38 |
| MMD-10DZ-1R0M-X1 | 1.0 | 3.0 | 3.3 | 18 | 36 |
| MMD-10DZ-1R5M-X1 | 1.5 | 3.8 | 4.2 | 16 | 33 |
| MMD-10DZ-2R2M-X1 | 2.2 | 6.7 | 7.0 | 12 | 27 |
| MMD-10DZ-3R3M-X2 | 3.3 | 10.8 | 11.8 | 10 | 16 |
| MMD-10DZ-4R7M-X2 | 4.7 | 15 | 16.5 | 9.5 | 17 |
| MMD-10DZ-100M-X2 | 10 | 27.5 | 30.0 | 6 | 6 |

MMD-12CE SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT((I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|-----|---|--|
| | | Typ. | Max | | |
| MMD-12CE-R15M-V1 | 0.15 | 1.0 | 1.2 | 41 | 75 |
| MMD-12CE-R22M-V1 | 0.22 | 1.1 | 1.3 | 38.5 | 65 |
| MMD-12CE-R33M-V1 | 0.33 | 1.3 | 1.5 | 36.5 | 62 |
| MMD-12CE-R47M-V1 | 0.47 | 1.6 | 2 | 32 | 55 |
| MMD-12CE-R60M-V1 | 0.60 | 1.8 | 2.2 | 29 | 51 |
| MMD-12CE-R68M-V1 | 0.68 | 2.3 | 2.5 | 28 | 49 |
| MMD-12CE-R82M-V1 | 0.82 | 2.6 | 3 | 25 | 44 |
| MMD-12CE-1R0M-V1 | 1.0 | 3.3 | 3.5 | 24 | 40 |
| MMD-12CE-1R5M-V1 | 1.5 | 5.1 | 5.5 | 19 | 35 |
| MMD-12CE-1R8M-V1 | 1.8 | 6.5 | 7 | 16.5 | 30 |
| MMD-12CE-2R2M-V1 | 2.2 | 7.2 | 8 | 16 | 29 |
| MMD-12CE-3R3M-V1 | 3.3 | 11.0 | 12 | 12 | 27 |
| MMD-12CE-4R7M-V1 | 4.7 | 14.3 | 15 | 10 | 24 |

MMD-12EZ SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT((I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|---|--|
| | | Typ. | Max | | |
| MMD-12EZ-R22M-V1 | 0.22 | 0.64 | 0.80 | 51 | 110 |
| MMD-12EZ-R33M-V1 | 0.33 | 0.84 | 1.1 | 42 | 80 |
| MMD-12EZ-R47M-V1 | 0.47 | 1.1 | 1.3 | 38 | 65 |
| MMD-12EZ-R56M-V1 | 0.56 | 1.3 | 1.5 | 36 | 55 |
| MMD-12EZ-R68M-V1 | 0.68 | 1.5 | 1.7 | 34 | 54 |
| MMD-12EZ-R82M-V1 | 0.82 | 2.0 | 2.3 | 31 | 53 |
| MMD-12EZ-1R0M-V1 | 1.0 | 2.1 | 2.5 | 29 | 50 |
| MMD-12EZ-1R5M-V1 | 1.5 | 3.4 | 4.1 | 23 | 48 |
| MMD-12EZ-1R8M-V1 | 1.8 | 4.2 | 4.9 | 19 | 40 |
| MMD-12EZ-2R2M-V1 | 2.2 | 5.6 | 5.5 | 20 | 32 |
| MMD-12EZ-3R3M-V1 | 3.3 | 7.7 | 9.2 | 15 | 32 |
| MMD-12EZ-4R7M-V1 | 4.7 | 12.8 | 15.0 | 12 | 27 |
| MMD-12EZ-5R6M-V1 | 5.6 | 14.0 | 16.5 | 11.5 | 22 |
| MMD-12EZ-6R8M-V1 | 6.8 | 15.4 | 18.5 | 11 | 21 |
| MMD-12EZ-7R8M-V1 | 7.8 | 17.2 | 20.5 | 10 | 18 |
| MMD-12EZ-8R2M-V1 | 8.2 | 18.9 | 22.5 | 9.5 | 18 |
| MMD-12EZ-100M-V1 | 10 | 21.4 | 25.5 | 9.0 | 16 |

MMD-12FD SPECIFICATION

| PART NUMBER | INDUCTANCE Lo(μ H) \pm 20% @0A | R _{dc} (m Ω) | | HEAT RATING CURRENT((I _{dc}) DC AMPS ¹ | SATURATION CURRENT(I _{sat}) DC AMPS ² |
|------------------|---|----------------------------------|------|---|--|
| | | Typ. | Max | | |
| MMD-12FD-R22M-V1 | 0.22 | 0.63 | 0.70 | 53 | 112 |
| MMD-12FD-R33M-V1 | 0.33 | 0.83 | 0.90 | 46 | 65 |
| MMD-12FD-R47M-V1 | 0.47 | 1.0 | 1.2 | 41 | 63 |
| MMD-12FD-R56M-V1 | 0.56 | 1.2 | 1.4 | 37 | 62 |
| MMD-12FD-R68M-V1 | 0.68 | 1.4 | 1.6 | 35 | 60 |
| MMD-12FD-R82M-V1 | 0.82 | 1.6 | 1.9 | 33 | 50 |
| MMD-12FD-1R0M-V1 | 1.0 | 1.7 | 2.0 | 32 | 49 |



MAG.LAYERS

| | | | | | |
|------------------|-----|------|------|------|------|
| MMD-12FD-2R2M-V1 | 2.2 | 3.5 | 4.2 | 22 | 40 |
| MMD-12FD-3R3M-V1 | 3.3 | 5.7 | 6.8 | 18 | 35 |
| MMD-12FD-4R7M-V1 | 4.7 | 9.3 | 11.2 | 13.5 | 30 |
| MMD-12FD-6R8M-V1 | 6.8 | 13.1 | 14 | 11.5 | 16.5 |
| MMD-12FD-8R2M-V1 | 8.2 | 14.5 | 15.5 | 10.5 | 16 |
| MMD-12FD-100M-V1 | 10 | 16.4 | 17.2 | 10 | 15.5 |

NOTES:

1. I_{dc} : DC current (A) that will cause an approximate ΔT of 40°C
2. I_{sat} : DC current (A) that will cause L_o to drop approximately 20%
3. All test data is referenced to 25°C ambient
4. Operating Temperature Range -55°C to +125°C
5. The part temperature (ambient + temp rise) should not exceed 125°C under the worst operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. TEST FREQUENCY: 100KHz, 0.25V
7. TESTING INSTRUMENT L : Agilent4284A, WK4235, CH3302/G LCR METER
CH1320, CH1320S BIAS CURRENT SOURCE
R_{dc} : CH11025, GOM802 MICRO OHMMETER