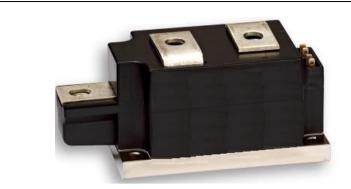
MS TT260





Key Parameters

| Vdrm / Vrrm | = 2200V |
|--------------------|----------|
| It(AV) | = 260A |
| ITSM | = 9500A |
| V _{T(TO)} | = 0.85V |
| ΓT | = 0.64mΩ |
| | |

Features

- Full blocking capability over wide temperature rangeHeat transfer through aluminium oxide ceramic isolated metal baseplate
- Pressure contacts technology for high reliabilityUL Recognized, file no. E505556

ApplicationsPower Supplies

- DC motor control
- **Controlled Rectifiers**
- AC switch

Ordering Information

| | J | | | |
|---|---------------------------------|-----------------|---|---|
| MS | TT | 260 | К | 22 |
| Fixed code | TT- Thyristor- Thyristor Module | Current Code | Technology K = Pressure Contact Technology | Voltage Code Code X 100 = V _{DRM} /V _{RRM} |
| Order Code MS TT260K22 : 2200V VDRM, VRRM, Thyristor-Thyristor Module | | | | |
| | | | | |
| | | | | |
| | | | | |

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| Approved by : RBS | Revision : 1 | |

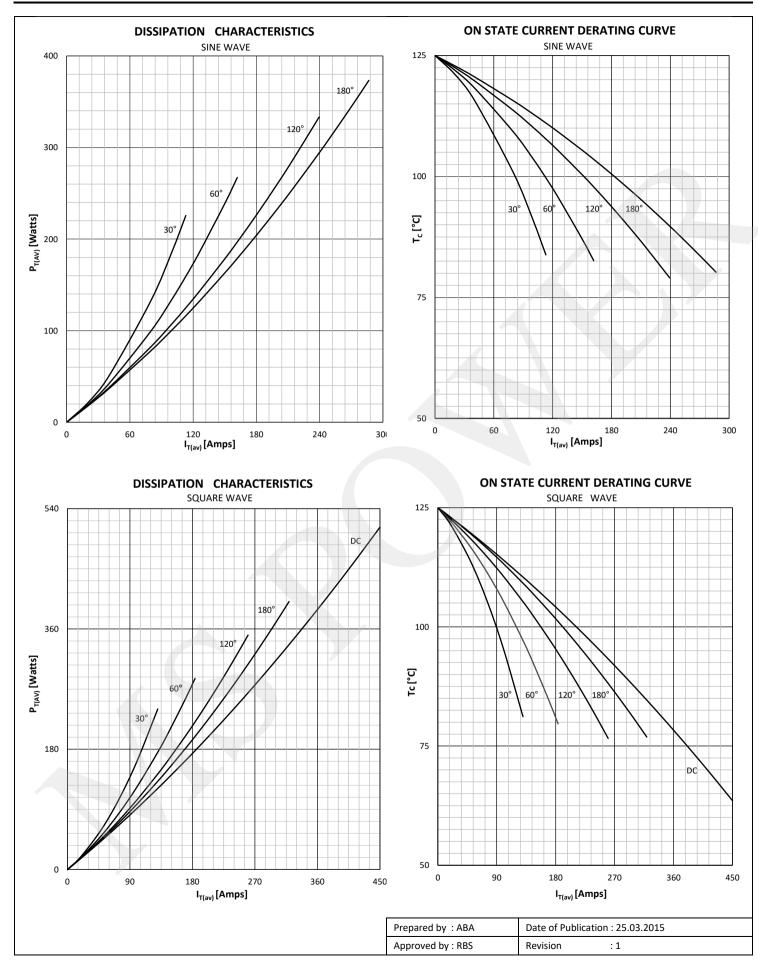
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| Symbol | Characteristic | Conditions | Тј [°С] | Value | Unit |
|-----------------|--|---|------------|-----------------------|------------------|
| BLOCKI | NG | | | | |
| V RRM | Repetitive peak reverse voltage | | 125 | 2000 - 2200 | V |
| V RSM | Non-repetitive peak reverse voltage | | 125 | 2100 - 2300 | V |
| V drm | Repetitive peak off-state voltage | | 125 | 2000 - 2200 | V |
| I RRM | Repetitive peak reverse current | V= V RRM | 125 | 50 | mA |
| I DRM | Repetitive peak off-state current | V= V drm | 125 | 50 | mA |
| CONDU | CTING | | | | |
| I T (AV) | Mean on state current | 180° sin ,50 Hz, T _c =85°C T _c =80°C | | 260 287 | A |
| I RMS | RMS on-state current | | | 450 | А |
| | Surge on-state current | Sine wave, 10 ms | 25 | 9500 | А |
| I TSM | | Without reverse voltage | 125 | 8000 | А |
| | | Sine wave, 10 ms | 25 | 451000 | A ² s |
| l² t | l ² t | Without reverse voltage | 125 | 320000 | A²s |
| Vт | On-state voltage | On-state current = 800A | 125 | 1.45 | V |
| V T(TO) | Threshold voltage | | 125 | 0.85 | v |
| гт | On-state slope resistance | | 125 | 0.64 | mΩ |
| | | | 125 | 0.04 | 11152 |
| SWITCH | | | | | |
| di/dt | Critical rate of rise of on-state current | f=50Hz, I_{GM} =1A, di_G/dt =1A/µs | 125 | 250 | A/µs |
| dv/dt | Critical rate of rise of off-state voltage | $V_{DR} = 67\% V_{DRM}$ | 125 | 1000 | V/µs |
| GATE | | | | | |
| l _{gt} | Gate trigger current | V _D =6V | 25 | 200 | mA |
| V _{gt} | Gate trigger voltage | V _D =6V | 25 | 3.0 | V |
| Iн | Holding current | V _D =6V, gate open circuit | 25 | 600 | mA |
| ΙL | Latching current | V _D =6V | 25 | 1000 | mA |
| MOUNTI | NG | - | | | |
| R th(j-c) | Thermal impedance, sin 180° | Junction to case, per arm per module | | 0.12 0.06 | °C/W |
| R th(j-c) | Thermal impedance, rec120° | Junction to case, per arm per module | | 0.14 0.07 | °C/W |
| R th(c-h) | Thermal impedance | Case to heatsink, per arm per module | | 0.04 0.02 | °C/W |
| Тj | Max. junction temperature | | | 125 | °C |
| T stg | Storage temperature | | | -40 150 | °C |
| VISOL | Insulation test voltage,RMS | F=50Hz, 1min | | 3.0 | KV |
| M1 | Mounting torque | | | 5 ± 15% | Nm |
| M2 | Terminal connection torque | | | 12 ± 15% | Nm |
| W | Weight (Approx.) | | | 650 | gm |
| AI ® | File No. | | | E505556 | |
| | | | | · | |
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| | | Approved by : RBS | Revision | :1 | |

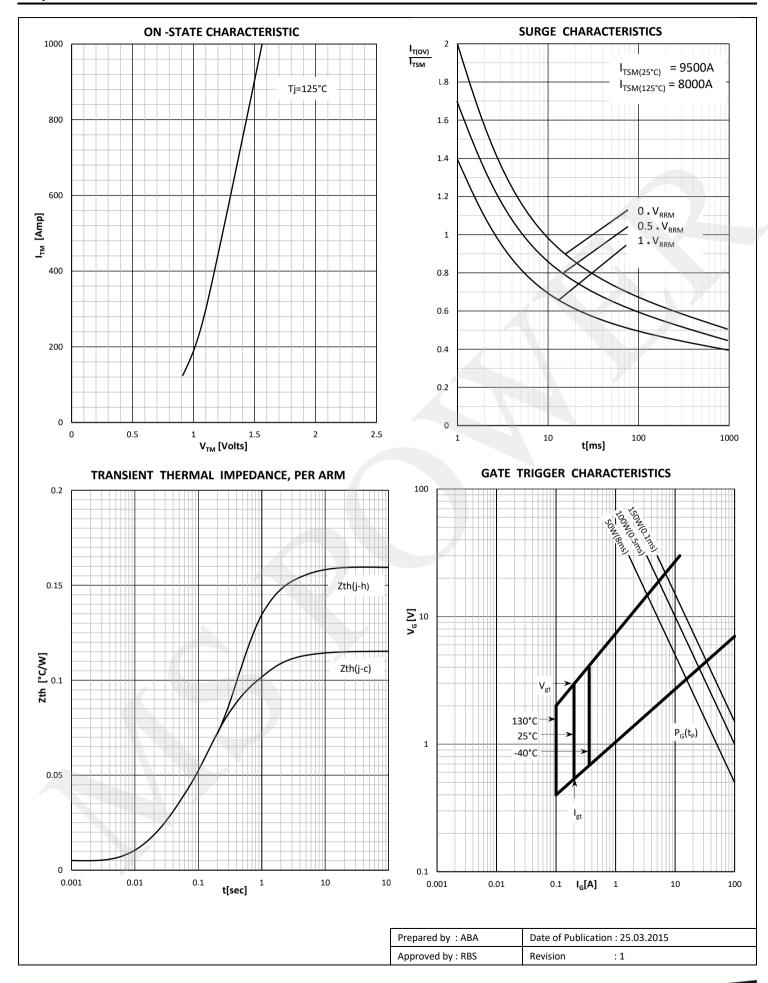
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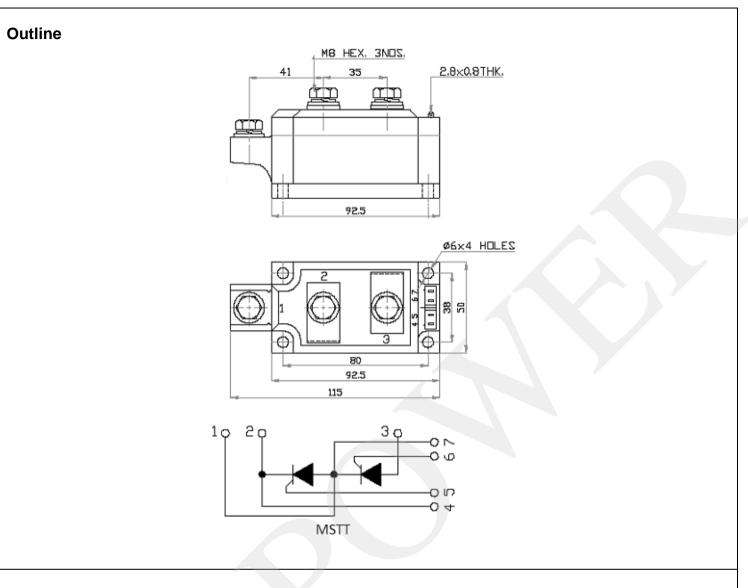
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