

| SYMBOL | CHARACTERISTIC | TEST CONDITIONS | T _j (°C) | VALUE | | | UNIT |
|----------------------|--|--|---------------------|-------|------|-------|----------------------------------|
| | | | | Min | Type | Max | |
| I _{F(AV)} | Mean forward current | 180° half sine wave 50Hz Double side cooled, T _{hs} =55°C | 150 | | | 2730 | A |
| I _{F(AV)} | Mean forward current | 180° half sine wave 50Hz Double side cooled, T _{hs} =90°C | 150 | | | 1986 | A |
| V _{RRM} | Repetitive peak reverse voltage | V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V | 150 | 3100 | | 3800 | V |
| I _{RRM} | Repetitive peak current | at V _{RRM} | 150 | | | 120 | mA |
| I _{FSM} | Surge forward current | 10ms half sine wave | 150 | | | 34.8 | KA |
| I ² T | I ² T for fusing coordination | V _R =0.6V _{RRM} | | | | 6060 | A ² s*10 ³ |
| V _{FO} | Threshold voltage | | 150 | | | 0.90 | V |
| r _F | Forward slop resistance | | | | | 0.12 | mΩ |
| V _{FM} | Peak on-state voltage | I _{TM} =4500A, F=28KN | 150 | | | 1.46 | V |
| I _{rm} | Reverse recovery current | | 150 | | | 165 | A |
| t _{rr} | Reverse recovery time | I _{TM} =1000A, tp=1000μs, di/dt=-40A/μs, V _R =50V | | | | 7.0 | μs |
| Q _{rr} | Recovery charge | | | | | 577 | μC |
| R _{th(j-h)} | Thermal resistance Junction to heatsink | At 180° sine double side cooled Clamping force 28KN | 150 | | | 0.020 | °C /W |
| F _m | Mounting force | | | 21 | | 30 | KN |
| T _{stg} | Stored temperature | | | -40 | | 160 | °C |
| W _t | Weight | | | | 650 | | g |
| Outline | ZT54cT60 | | | | | | |

Outline



