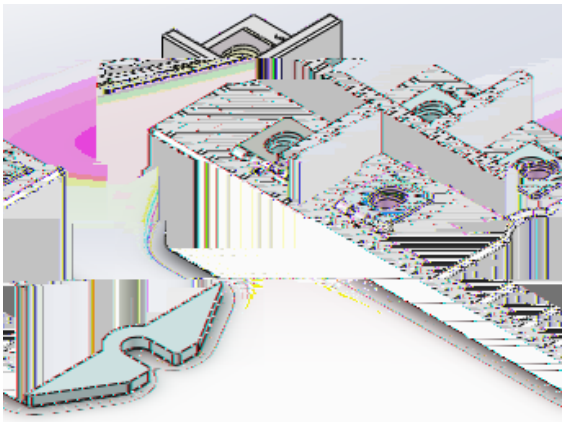
# MD160S-NM3

RoHS COMPLIANT



## Module Type

| TYPE | $V_{RRM}$ | $V_{RSM}$ |
|---|---|---|
| MD160S08NM3 | 800V | 900V |
| MD160S12NM3 | 1200V | 1300V |
| MD160S16NM3 | 1600V | 1700V |
| MD160S18NM3 | 1800V | 1900V |

## Maximum Ratings

| Symbol | Conditions | Values | Units |
|---|---|---|---|
| $I_D$ | Three phase, full wave Tc=100 | 160 | A |
| $I_{FSM}$ | t=10mS Tvj =45 | 1800 | A |
| $i^2t$ | t=10mS Tvj =45 | 16200 | $A^2s$ |
| Visol | a.c.50HZ;r.m.s.;1min | 3000 | V |

## Performance Curves

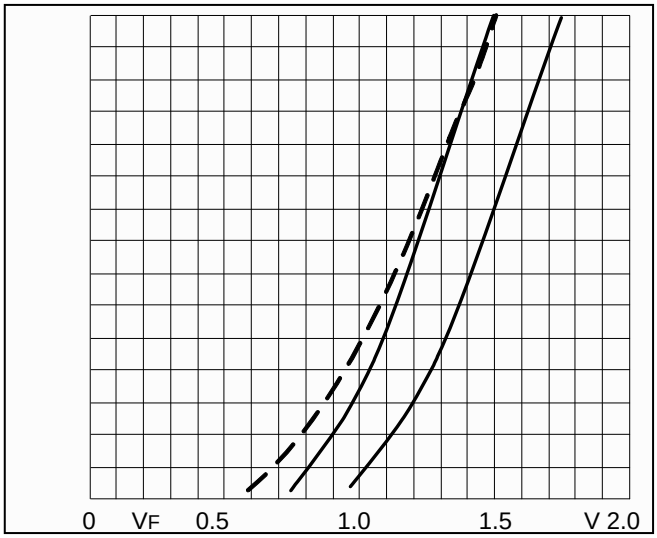



Fig1. Forward Characteristics




Fig2. Power dissipation

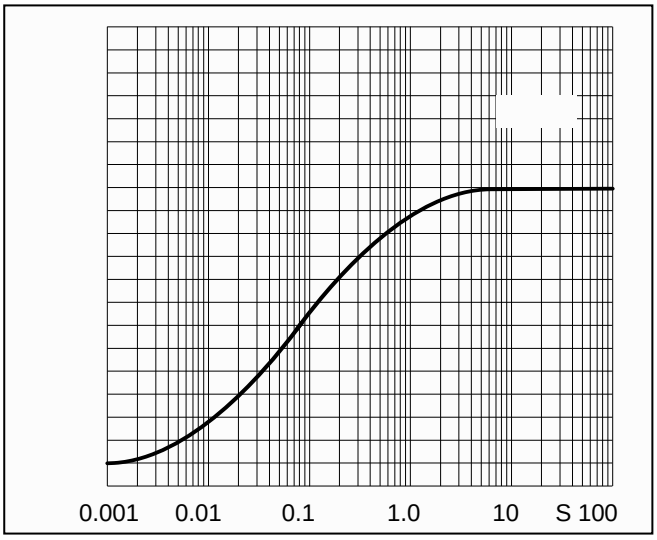



Fig3. Transient thermal impedance

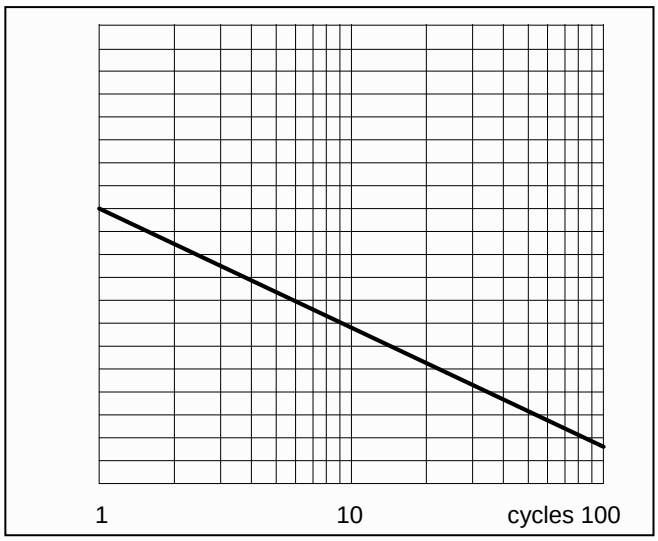



Fig4. Max Non-Repetitive Forward Surge Current

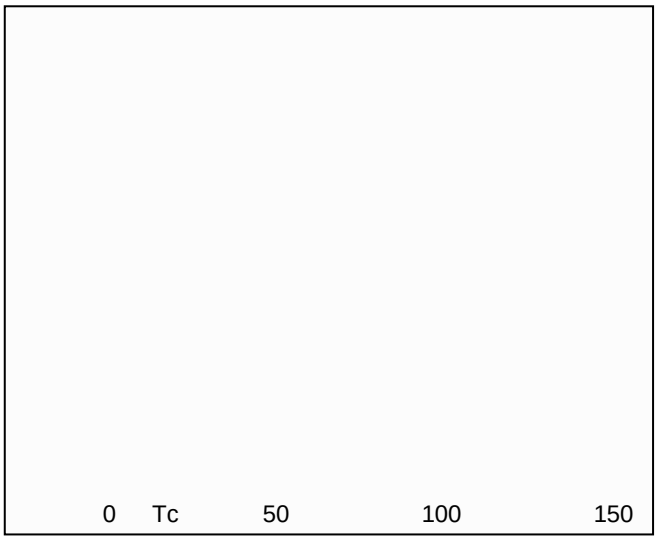
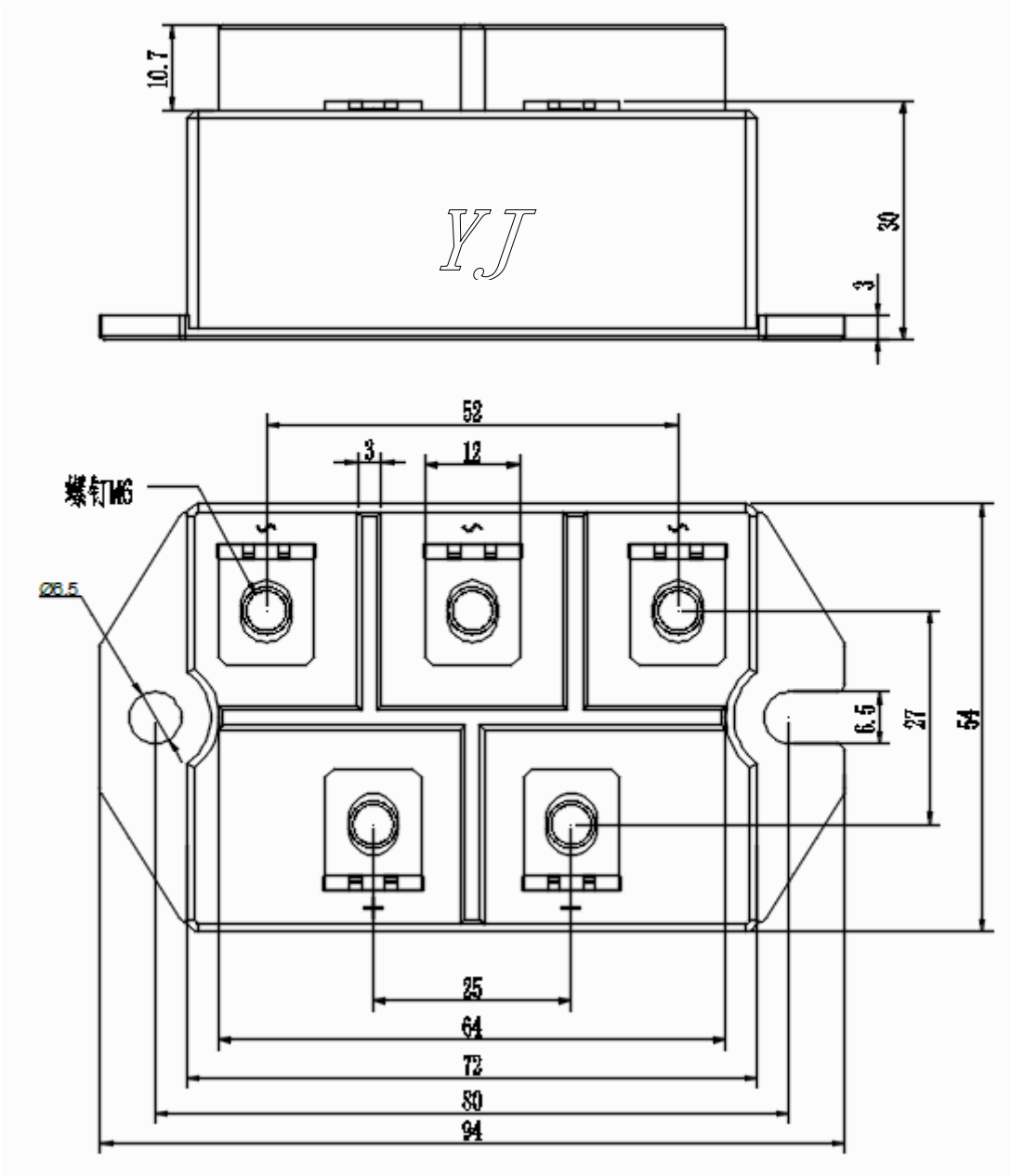



Fig5.Forward Current Derating Curve

## Package Outline Information

**CASE NM3**




**Dimensions in mm**