



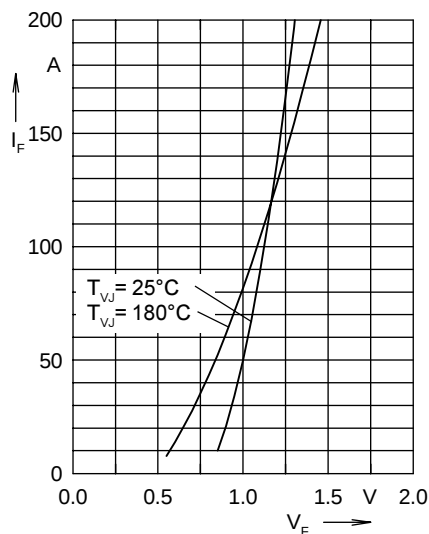


Fig. 1 Forward characteristics

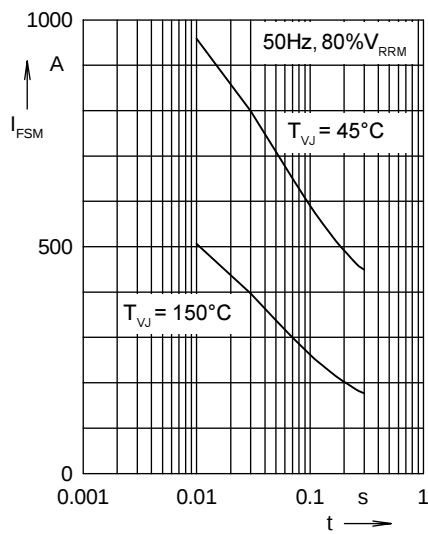


Fig. 2 Surge overload current  
 $I_{FSM}$ : Crest value, t: duration

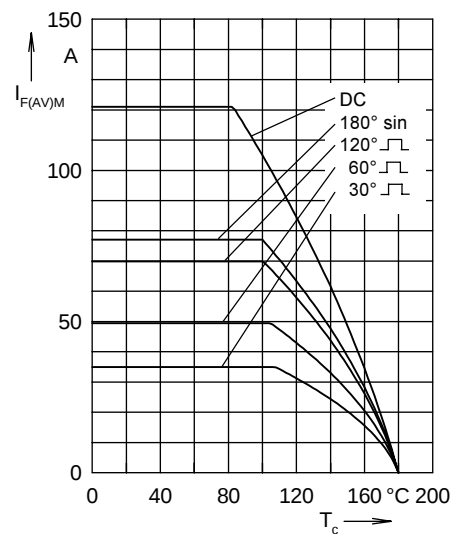


Fig. 3 Max. forward current at case temperature

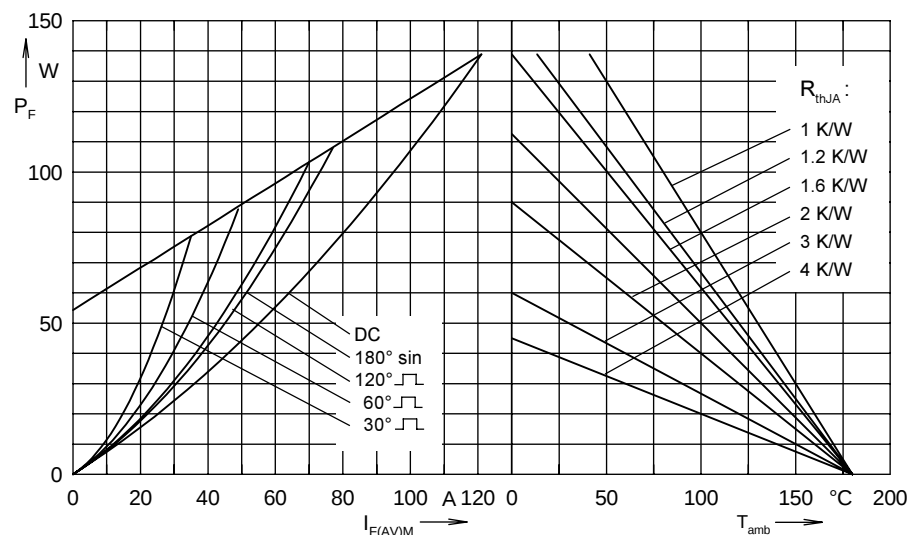


Fig. 4 Power dissipation versus forward current and ambient temperature

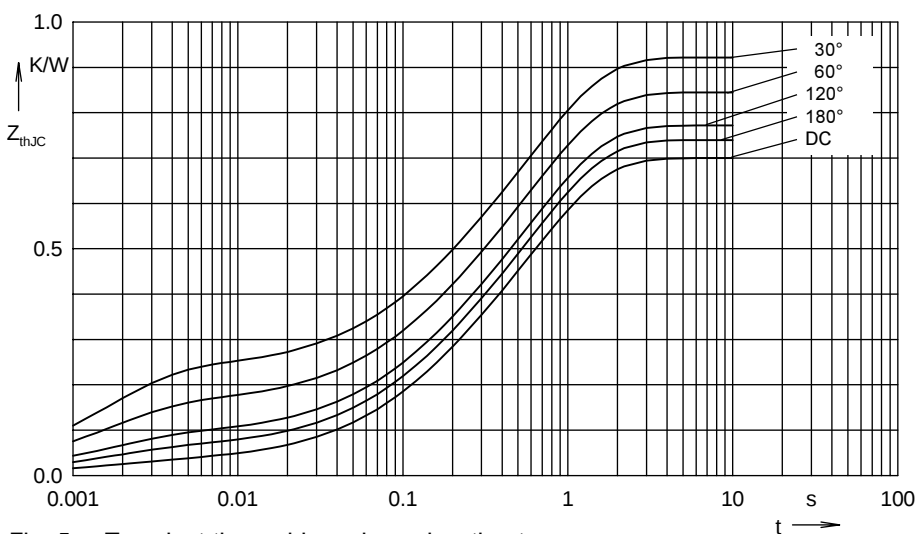


Fig. 5 Transient thermal impedance junction to case

$R_{thJC}$  for various conduction angles d:

| d    | $R_{thJC}$ (K/W) |
|------|------------------|
| DC   | 0.7              |
| 180° | 0.74             |
| 120° | 0.772            |
| 60°  | 0.844            |
| 30°  | 0.921            |

Constants for  $Z_{thJC}$  calculation:

| i | $R_{thi}$ (K/W) | $t_i$ (s) |
|---|-----------------|-----------|
| 1 | 0.03            | 0.0016    |
| 2 | 0.14            | 0.1181    |
| 3 | 0.53            | 0.654     |