

Fig. 1 Forward characteristics

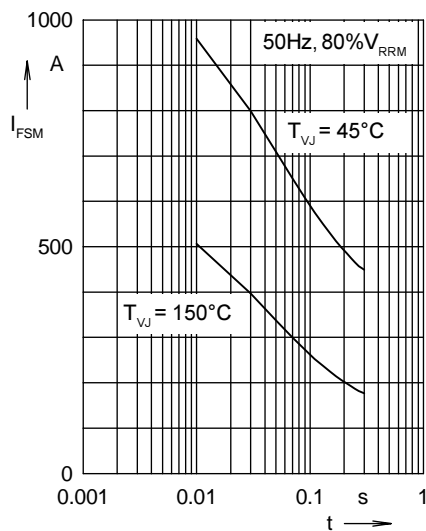


Fig. 2 Surge overload current  
 $I_{FSM}$ : Crest value, t: duration

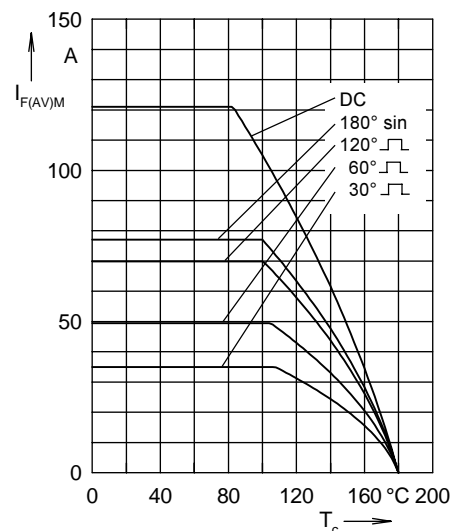


Fig. 3 Max. forward current at case temperature

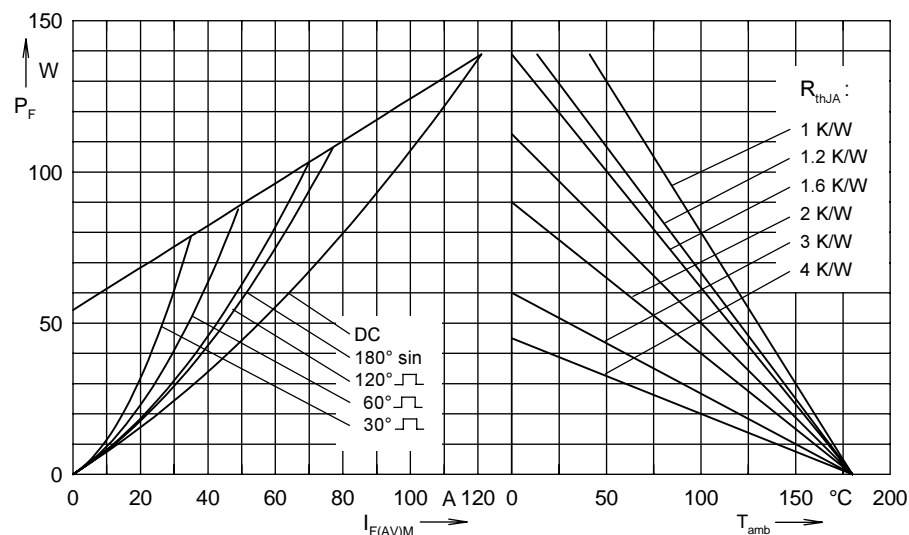


Fig. 4 Power dissipation versus forward current and ambient temperature

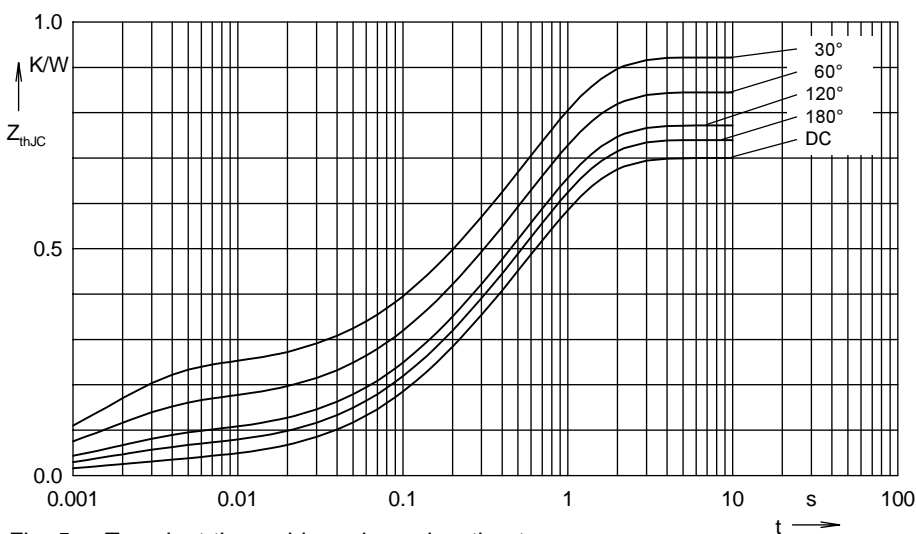


Fig. 5 Transient thermal impedance junction to case

$R_{thJC}$  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