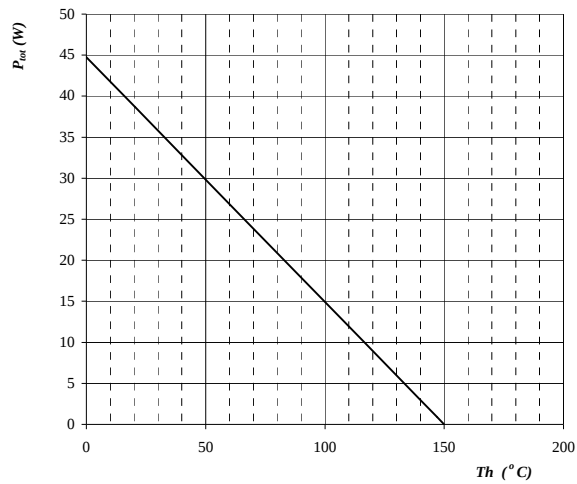


flowPIM[®]1, 600V

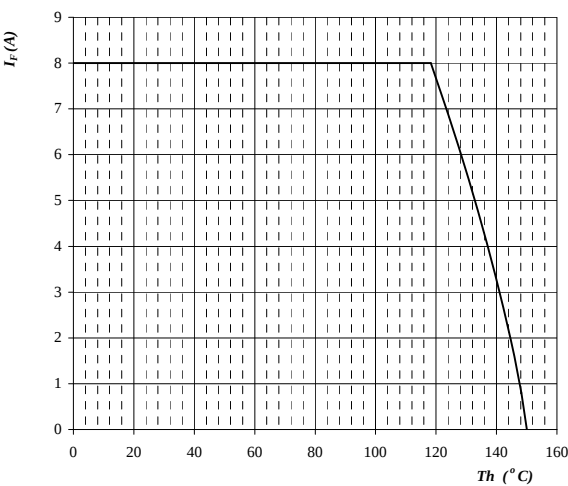
Brake

Figure 31. Power dissipation as a function of heatsink temperature
Brake FRED
 $P_{tot} = f(T_h)$



parameter: $T_j = 150^{\circ}C$

Figure 32. Forward current as a function of heatsink temperature
Brake FRED
 $I_F = f(T_h)$



parameter: $T_j = 150^{\circ}C$

flowPIM®1, 600V

Input rectifier bridge

Figure 33. Typical diode forward current as a function of forward voltage
Rectifier diode $I_F=f(V_F)$

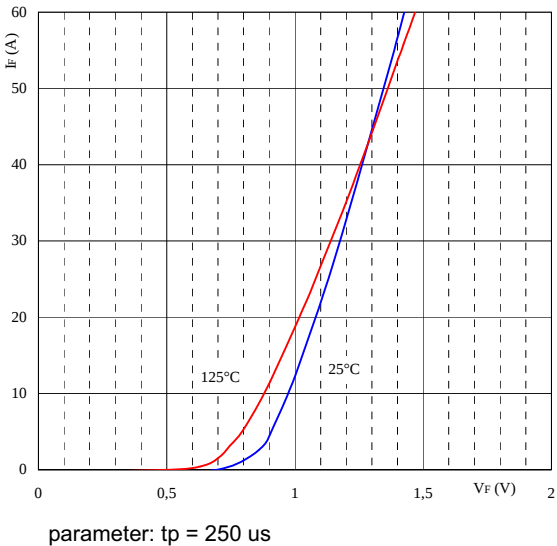


Figure 34. Diode transient thermal impedance as a function of pulse width
 $Z_{thJC} = f(t_p)$

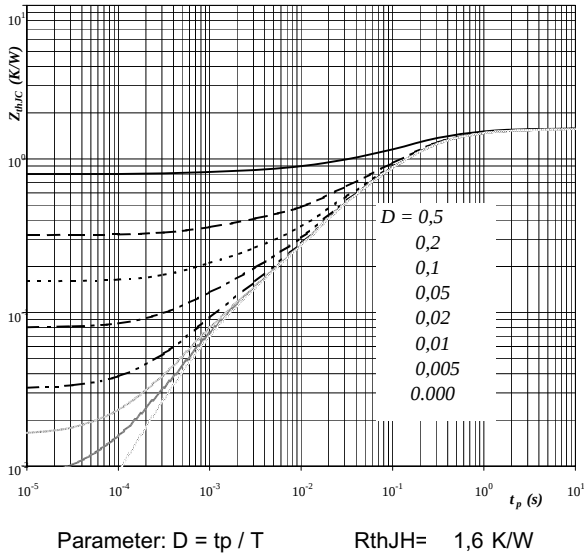


Figure 35. Power dissipation as a function of heatsink temperature
Rectifier diode $P_{tot} = f(T_h)$

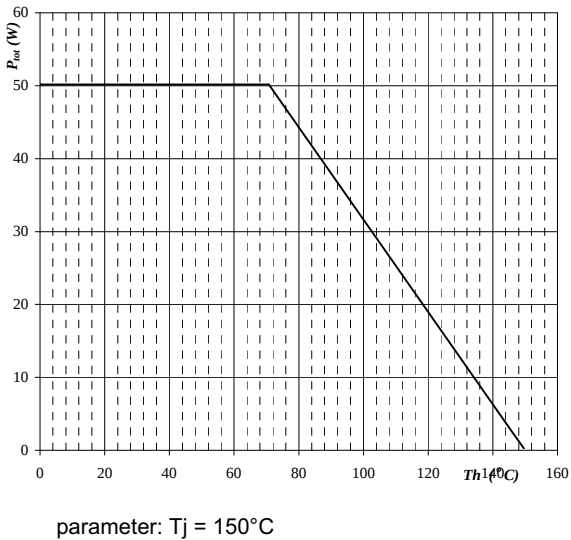
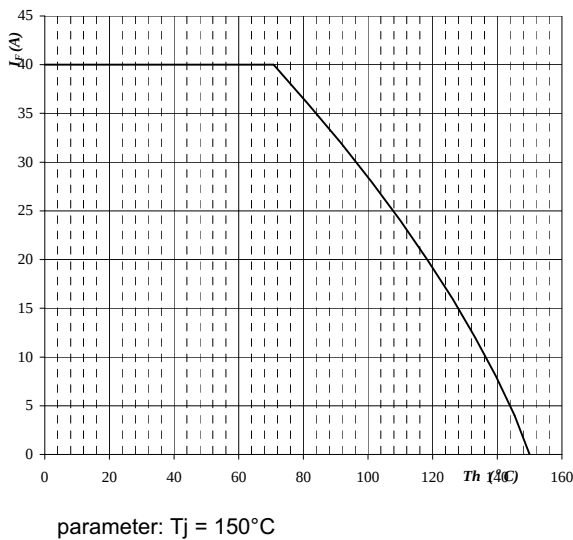


Figure 36. Forward current as a function of heatsink temperature
Rectifier diode $I_F = f(T_h)$



flowPIM[®]1, 600V

Thermistor

Figure 37. Typical NTC characteristic
as afunction of temperature

$RT = f(T)$

