

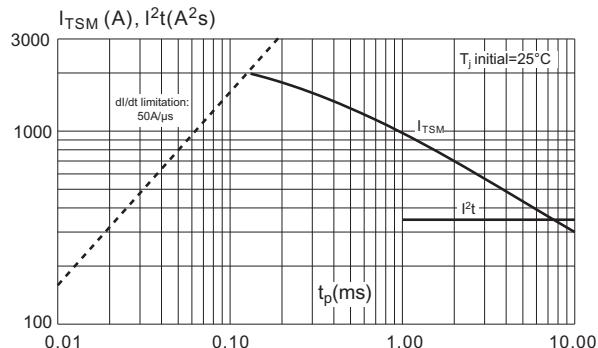




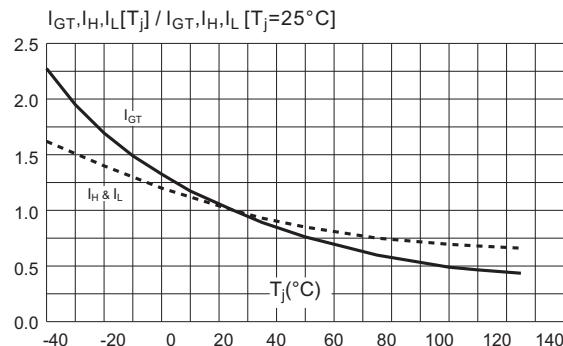




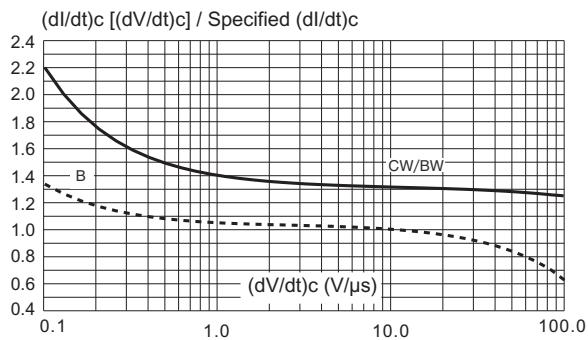
**Fig.7 Non-repetitive surge peak on-state current for a sinusoidal pulse with width  $t_p < 10\text{ms}$ . and corresponding value of  $I^2t$ .**



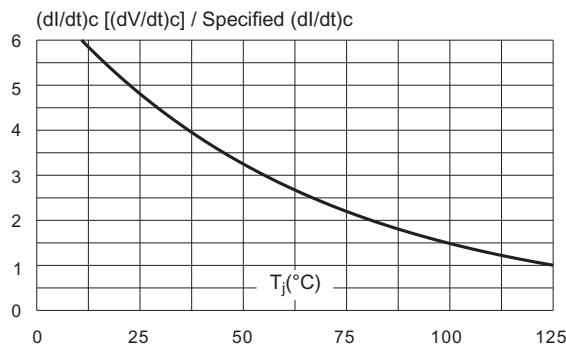
**Fig.8 Relative variation of gate trigger current, holding current and latching current versus junction temperature (typical values).**



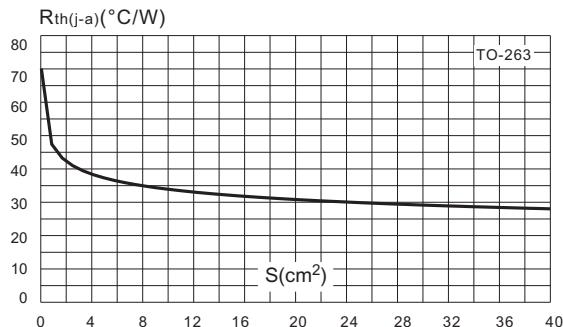
**Fig.9 Relative variation of critical rate of decrease of main current versus  $(dV/dt)c$  (typical values).**



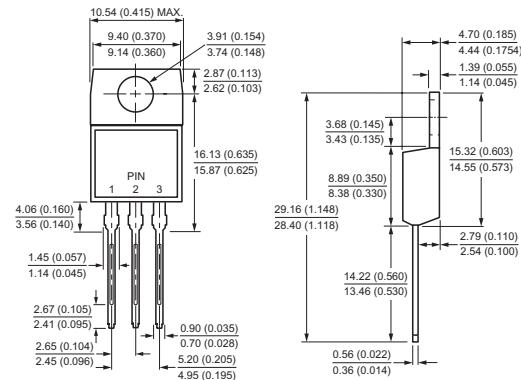
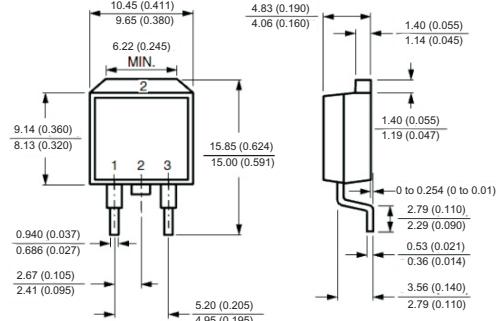
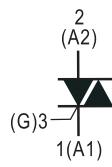
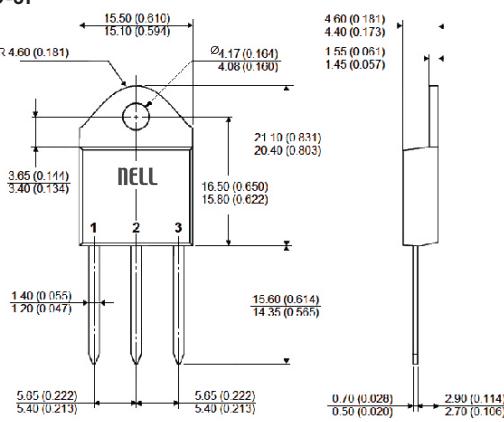
**Fig.10 Relative variation of critical rate of decrease of main current versus  $T_j$**



**Fig.11 D<sup>2</sup>PAK thermal resistance junction to ambient versus copper surface under tab (printed circuit board FR4, copper thickness: 35μm)**



## Case Style

**TO-220AB****TO-263(D<sup>2</sup>PAK)****TO-3P**

All dimensions in millimeters(inches)