

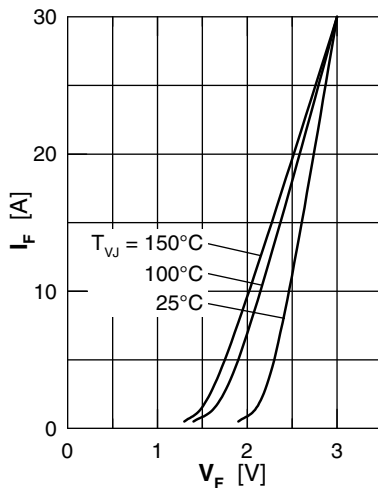


Fig. 1 Forward current versus voltage drop

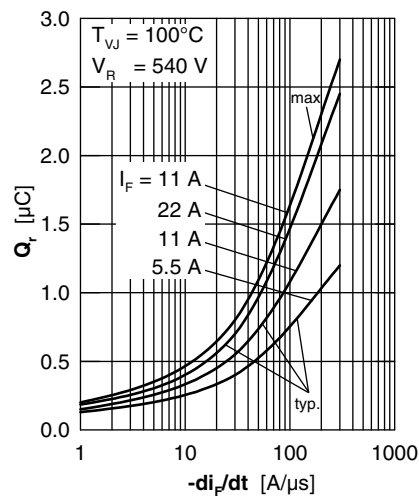


Fig. 2 Recovery charge versus  $-di_F/dt$

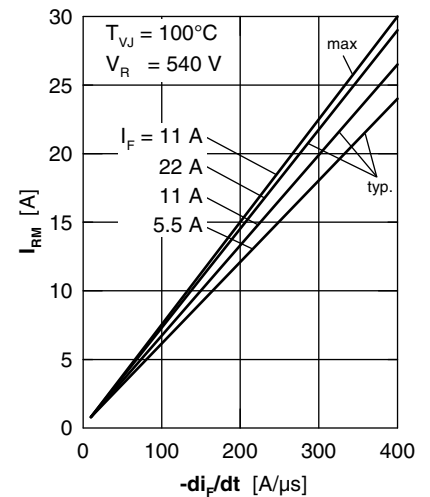


Fig. 3 Peak reverse current versus  $-di_F/dt$

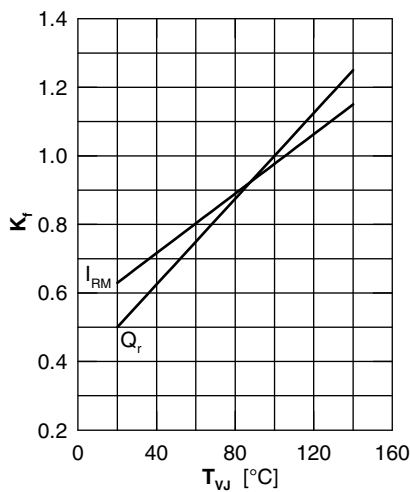


Fig. 4 Dynamic parameters versus junction temperature

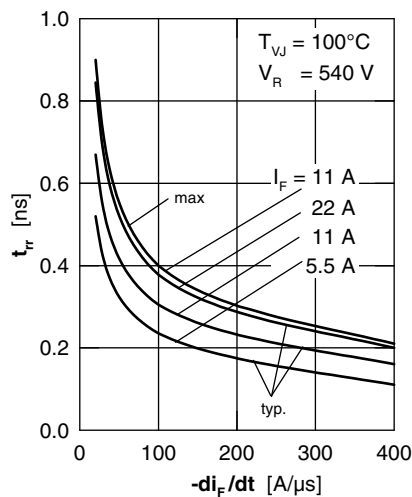


Fig. 5 Recovery time versus  $-di_F/dt$

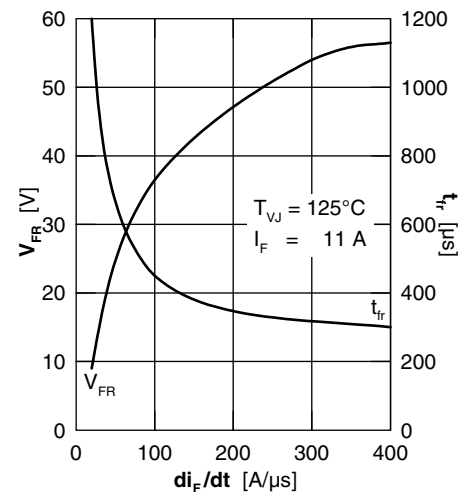


Fig. 6 Peak forward voltage versus  $di_F/dt$

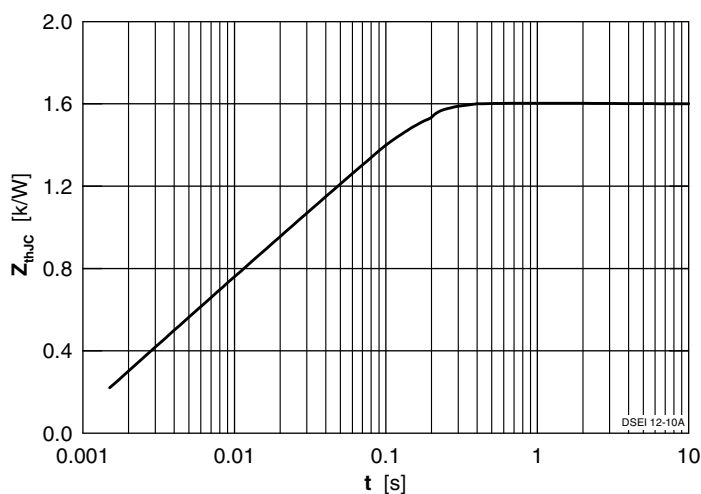
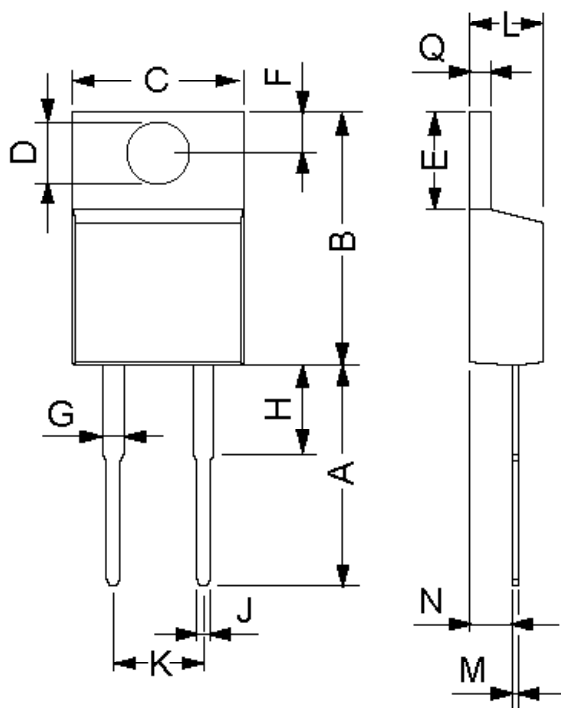


Fig. 7 Transient thermal resistance junction to case

## Dimensions TO-220 AC



| Dim. | Millimeter |       | Inches |       |
|------|------------|-------|--------|-------|
|      | Min.       | Max.  | Min.   | Max.  |
| A    | 12.7       | 14.73 | 0.5    | 0.58  |
| B    | 14.23      | 16.51 | 0.56   | 0.65  |
| C    | 9.66       | 10.66 | 0.38   | 0.42  |
| D    | 3.54       | 4.08  | 0.139  | 0.161 |
| E    | 5.85       | 6.85  | 0.23   | 0.42  |
| F    | 2.54       | 3.42  | 0.1    | 0.135 |
| G    | 1.15       | 1.77  | 0.045  | 0.07  |
| H    | -          | 6.35  | -      | 0.25  |
| J    | 0.64       | 0.89  | 0.025  | 0.035 |
| K    | 4.83       | 5.33  | 0.19   | 0.21  |
| L    | 3.56       | 4.82  | 0.14   | 0.19  |
| M    | 0.51       | 0.76  | 0.02   | 0.03  |
| N    | 2.04       | 2.49  | 0.08   | 0.115 |
| Q    | 0.64       | 1.39  | 0.025  | 0.055 |