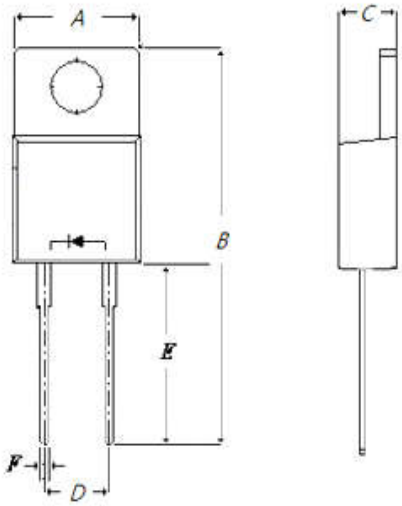
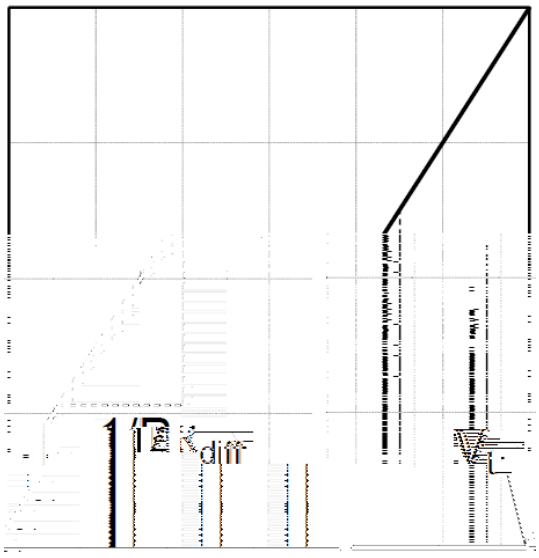
Package TO-220-2




| | | | |
|---|---|---|---|
| A | 9.17 | 10.08 | 10.91 |
| B | 27.00 | 28.58 | 30.00 |
| C | 3.89 | 4.50 | |
| D | 4.20 | 5.10 | 5.80 |
| E | 11.70 | 13.30 | 14.9c |




$$V_F = V_t + I_F \times R_{diff}$$

$V_t = -0.001 \times T_j + 0.99$ [V]

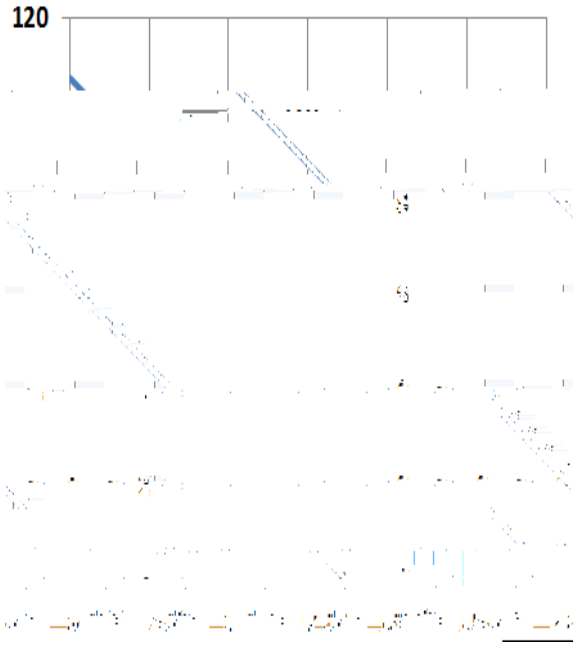
$R_{diff} = 8.7 \times 10^{-7} \times T_j^2 + 5.4 \times 10^{-5} \times T_j + 0.35$ [Ω]

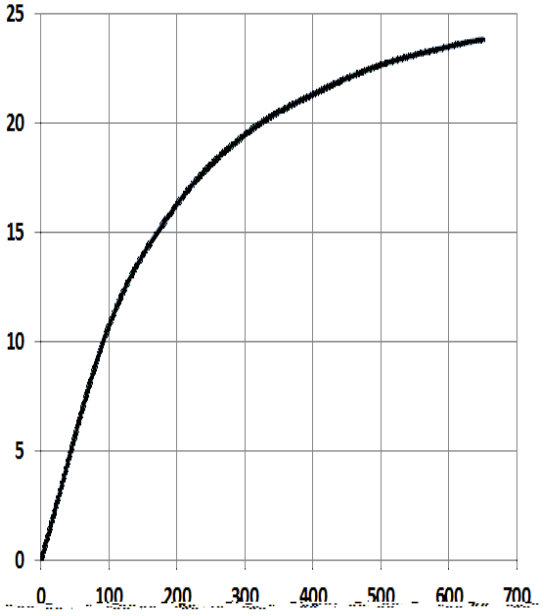
Note:

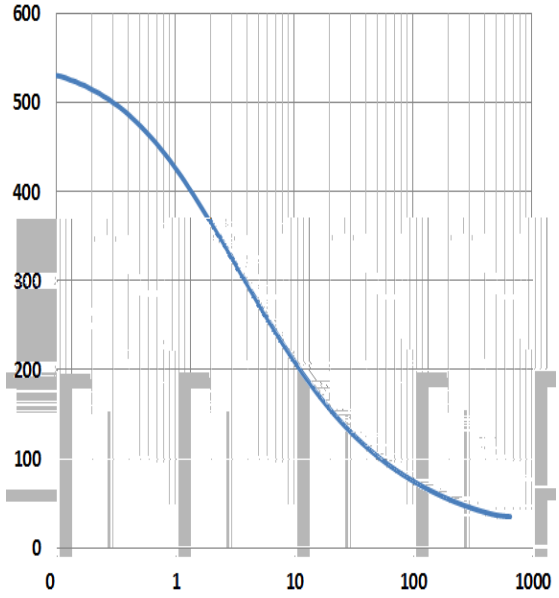
Tj = Diode Junction Temperature In Degrees Celsius, valid from 25°C to 175°C

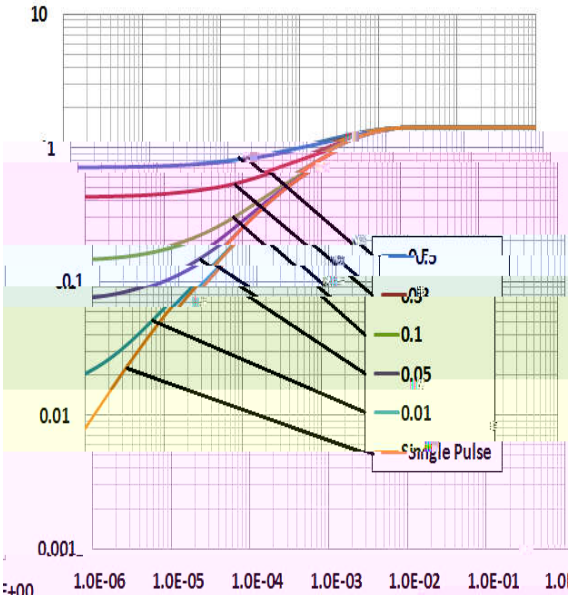
$I_F$= Forward Current

Less than 16A


120


25
20
15
10
5
0
0
100
200
300
400
500
600
700


600
500
400
300
200
100
0
0
1
10
100
1000


10
1
0.1
0.01
0.001
0.1
0.05
0.01
Single Pulse
1.0E-06
1.0E-05
1.0E-04
1.0E-03
1.0E-02
1.0E-01

| | | | | | | |
|---|---|---|---|---|---|---|
| $V_F$ | Forward Voltage | 1.27<br>1.38 | 1.5<br>1.6 | V | $I_F$ = 8A, $T_J$ = 25˚C<br>$I_F$ | |

