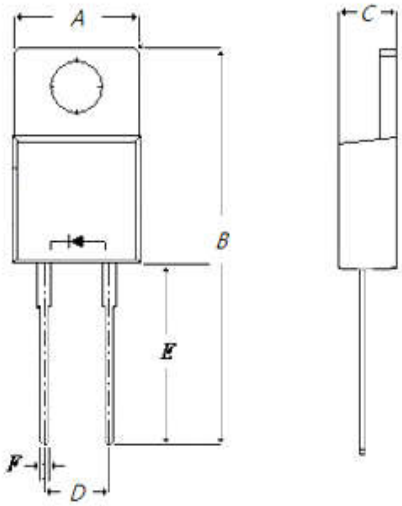
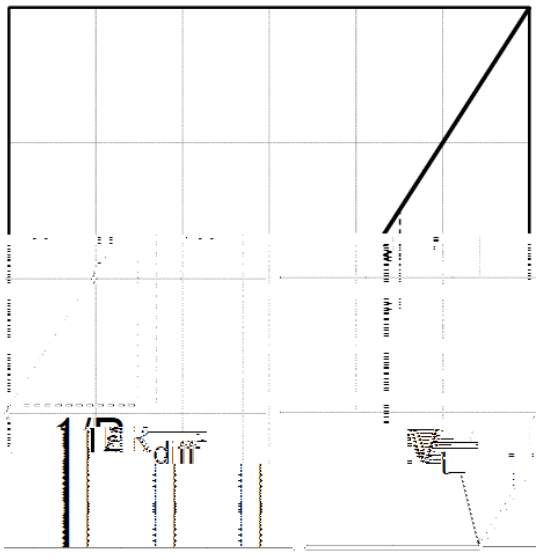
Package TO-220-2



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]

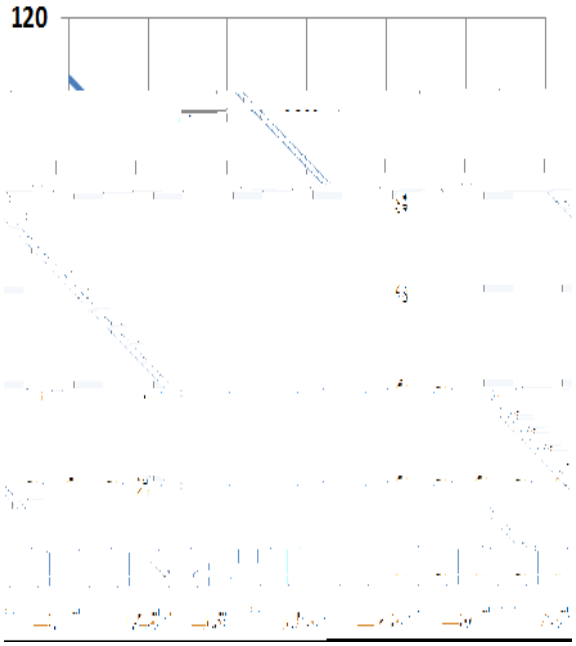
$R_{diff} = 8.7 \times 10^{-7} \times T_j^2 + 5.4 \times 10^{-5} \times T_j + 0.35$ [Ω]

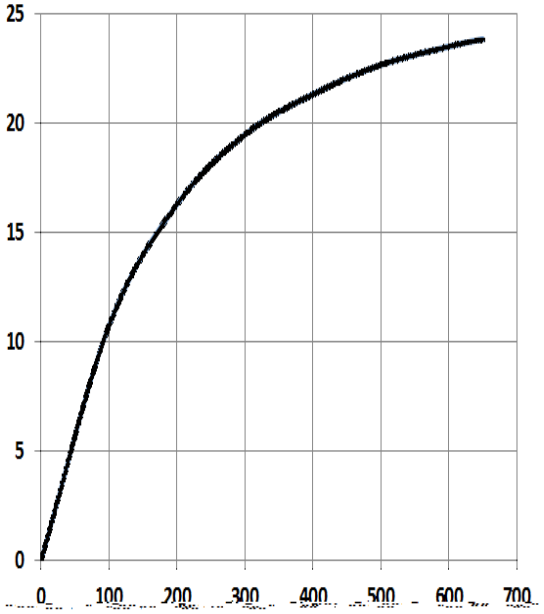
Note:

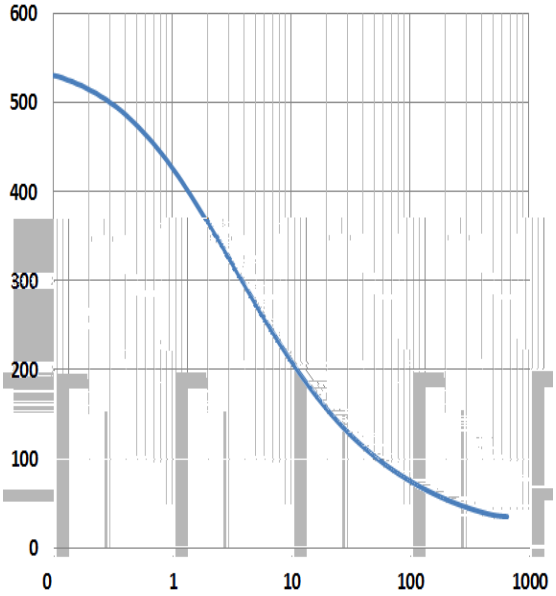
Tj = Diode Junction Temperature In Degrees Celsius, valid from 25°C to 175°C

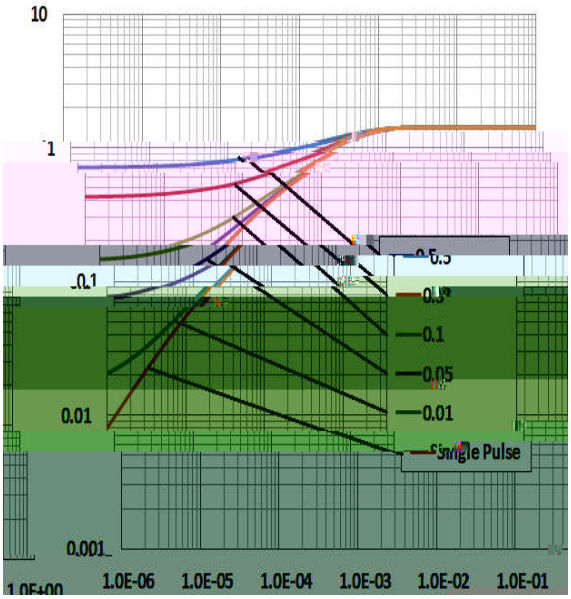
I_F= Forward Current

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
0.5
0.2
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 1.38	1.5 1.6	V	I_F = 8A, T_J = 25˚C I_F	

