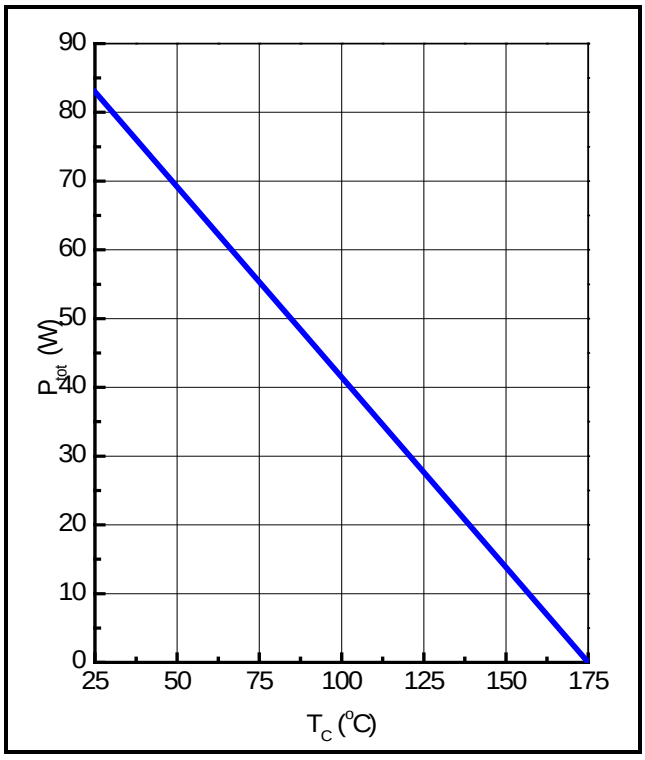
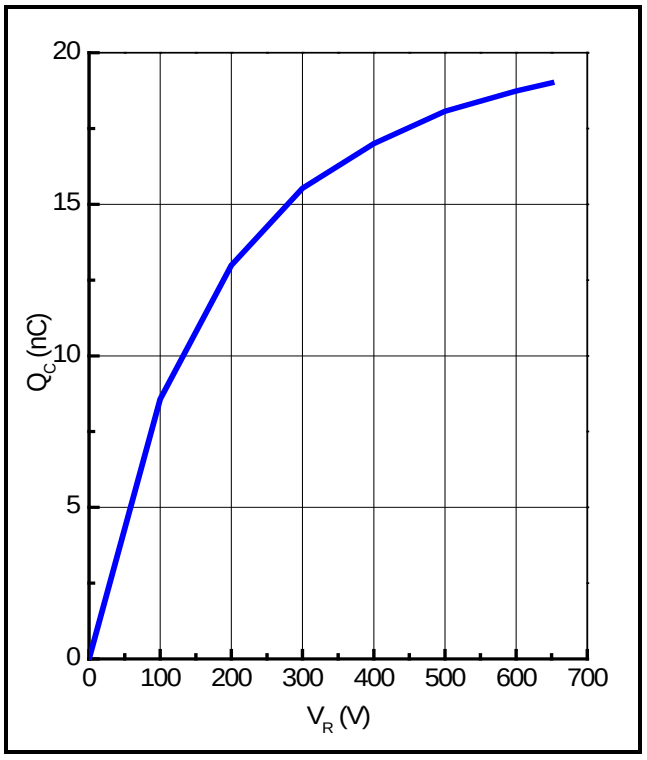
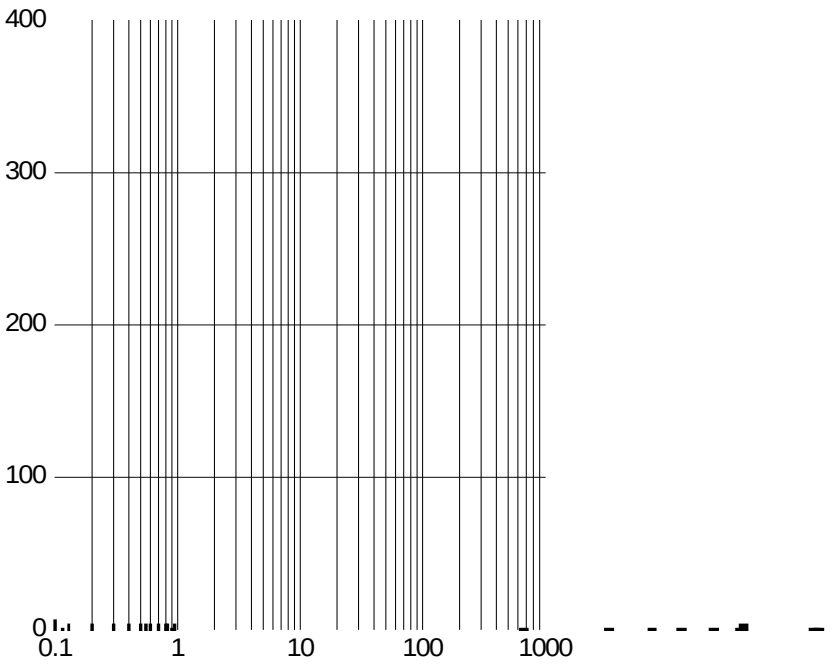


^ Ç u } o	W Œ u š Œ					


90
80
70
60
50
40
30
20
10
0
P_{tot} (W)
25
50
75
100
125
150
175
T_C (°C)

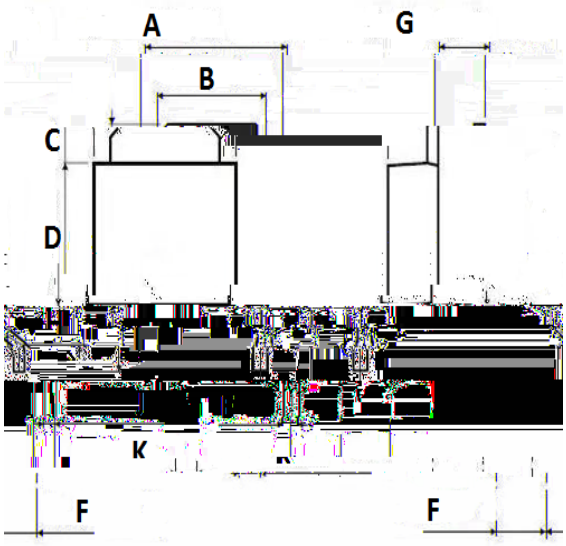

20
15
10
5
0
Q_C (nC)
0
100
200
300
400
500
600
700
V_R (V)

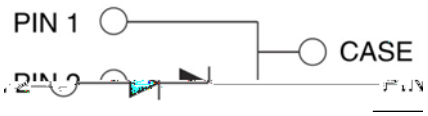
ï


400
300
200
100
0
0.1
1
10
100
1000

Pk g D n

Package TO-252





b n	M m	T m	x m
A	6.30	6.50	6.70
B	5.20	5.30	5.40
C	1.15	1.25	1.35
D	5.70	5.90	6.10
E	0.65	0.7	0.75
F	2.10	2.30	2.50
G	2.20	2.30	2.40
H	1.45	1.50	1.55
I	2.90	3.00	3.10
J	0.45	0.5	0.55
K	0.90	1.00	1.10

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

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

$R_{diff} = 1.2\times10^{-6}\times T_j^2 + 7.2\times10^{-5}\times T_j + 0.46$ > @

Note:

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

I_F= Forward Current

Less than 12A

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