Silicon Carbide Schottky Diode

Features

Typical Applications

Mechanical Data

Package
Terminals
Polarity

Maximum Ratings

PARAMTETER	SYMBOL	UNIT	VALUE

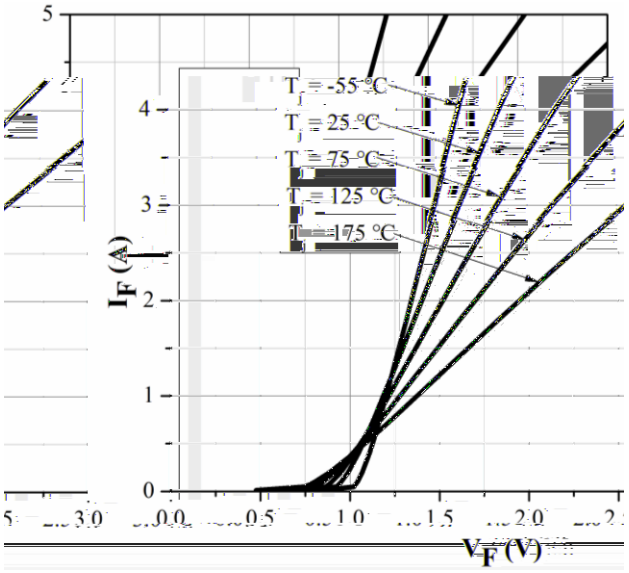
Electrical Characteristics

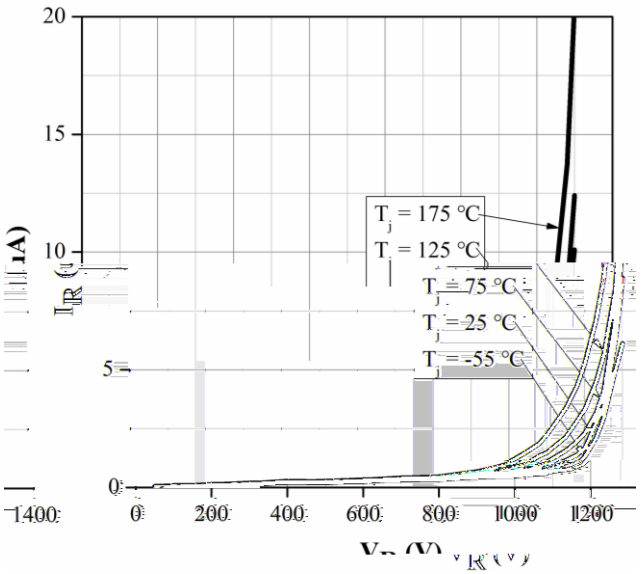
PARAMTETER	SYMBOL	UNIT	TEST CONDITIONS	Typ.	Max.

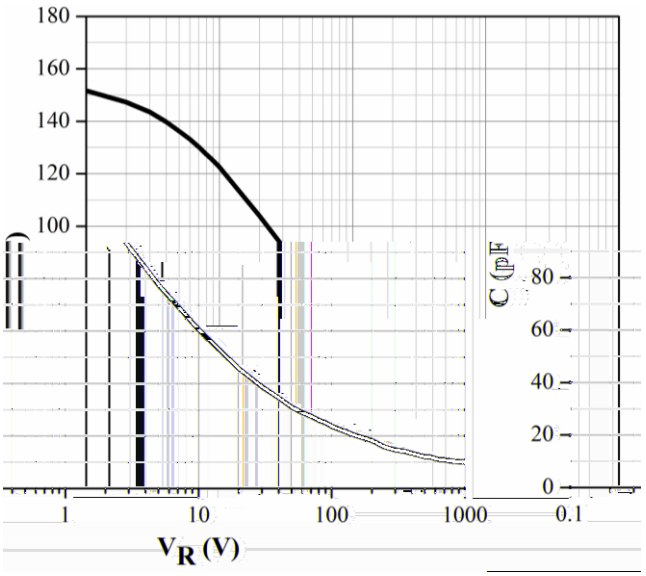
Thermal Characteristics

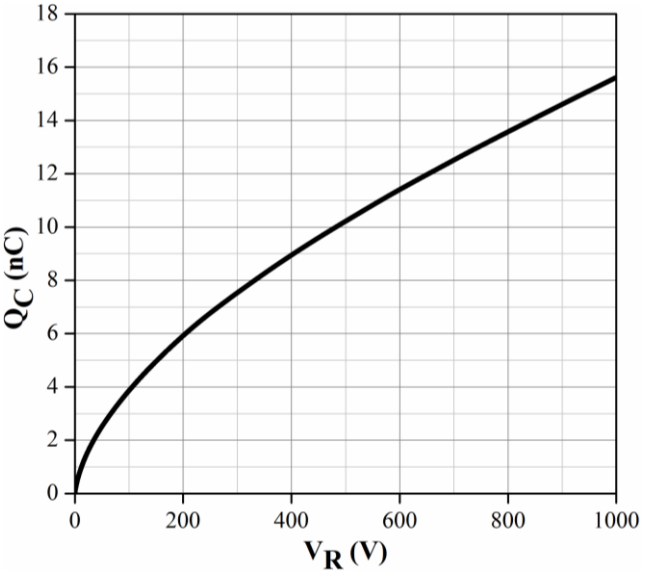
PARAMETER	SYMBOL	UNIT	VALUE

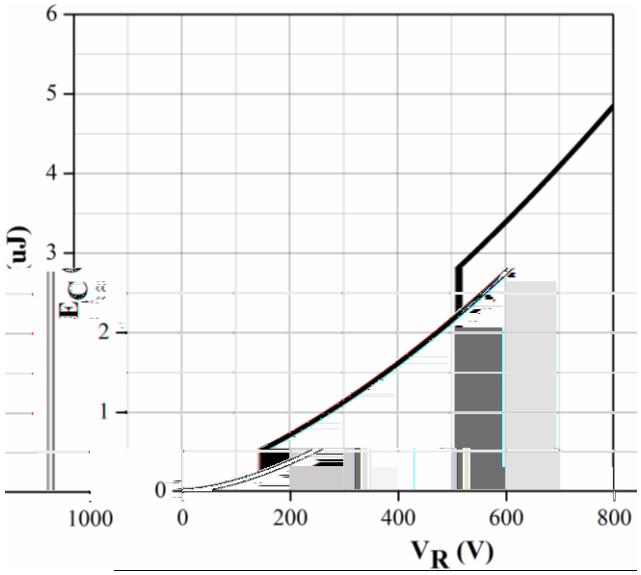
Typical Characteristics

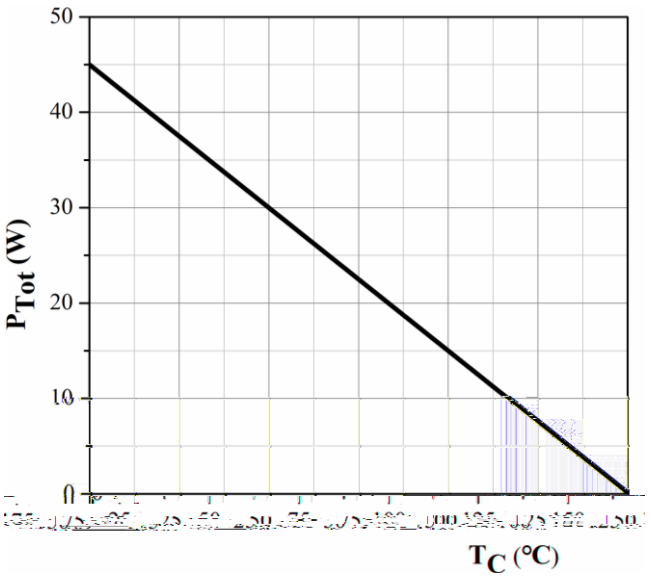


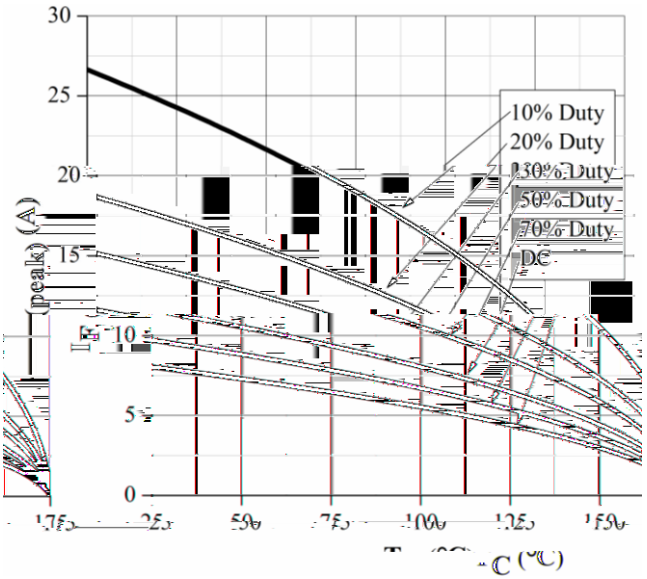


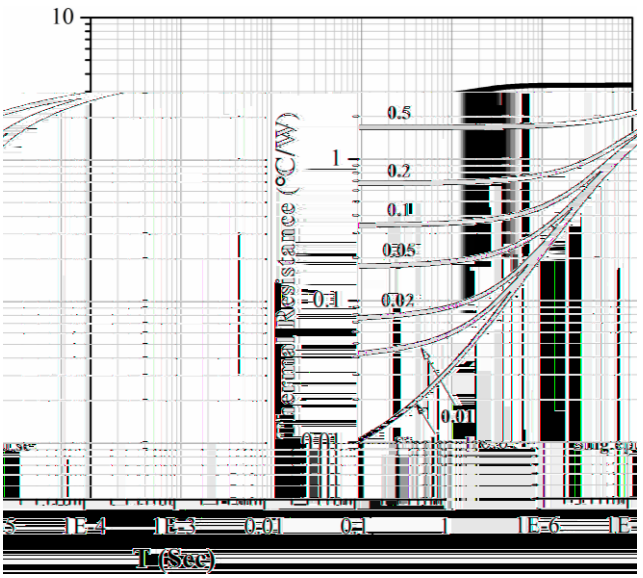

180
160
140
120
100
C (pF)
80
60
40
20
0
1
10
100
1000
0.1
V_R (V)


18
16
14
12
10
8
6
4
2
0
Q_C (nC)
0
200
400
600
800
1000
V_R (V)


6
5
4
3
2
1
0
(uJ)
1000
0
200
400
600
800
V_R (V)


50
40
30
20
10
0
P_{Tot} (W)
T_C (°C)


30
25
20
15
10
5
0
(A)
(peak)
10% Duty
20% Duty
30% Duty
50% Duty
70% Duty
DC


10
1
0.5
0.2
0.1
0.05
0.02
0.01
Resistance (°C/W)
T (Sec)

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