International
IOR Rectifier

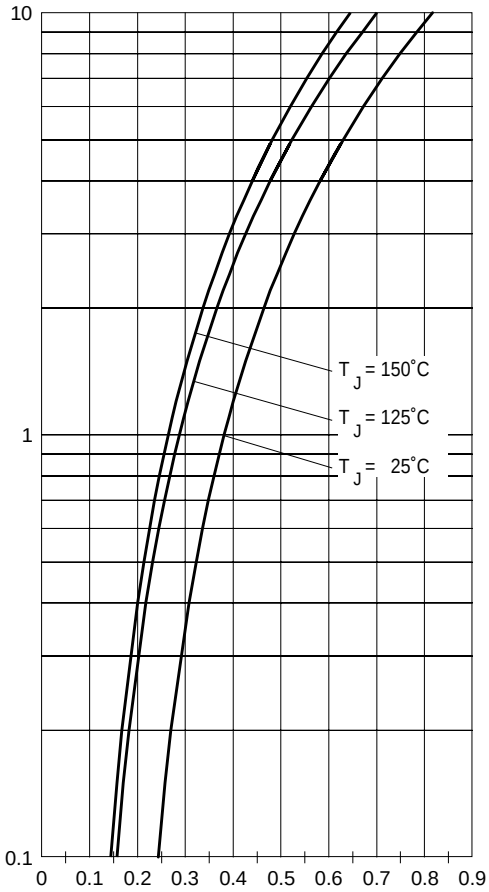
Major Ratings and Characteristics

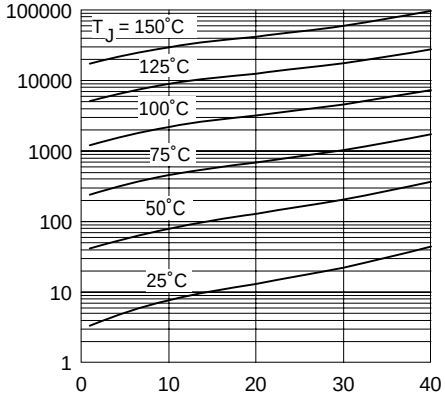
Characteristics	Value	Units

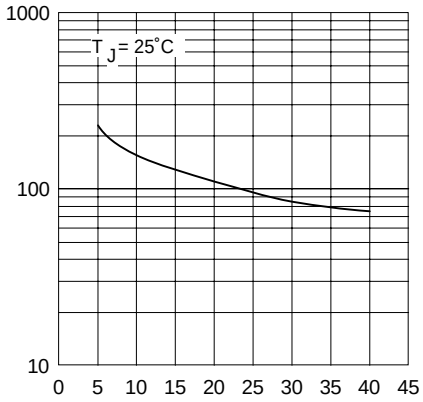
Description/ Features

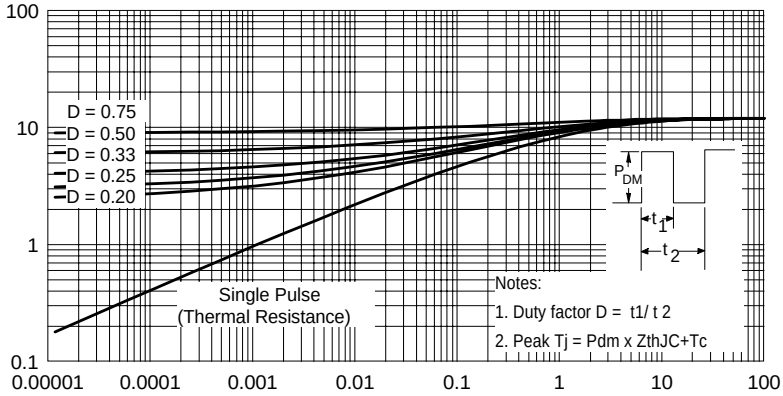
-
-
-
-
-

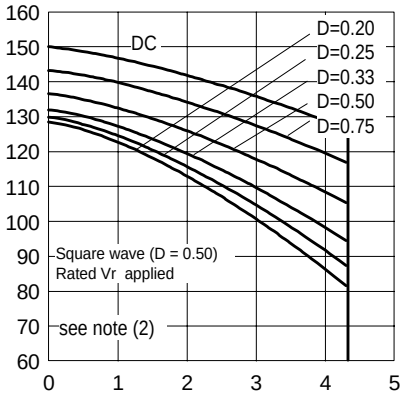
Case Styles
 

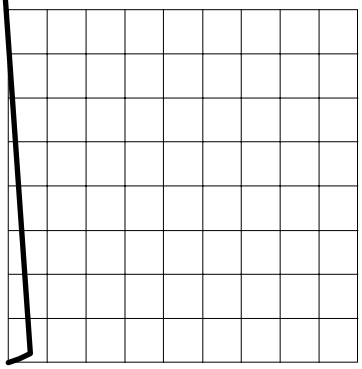

10
1
0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
T J = 150˚C
T J = 125˚C
T J = 25˚C

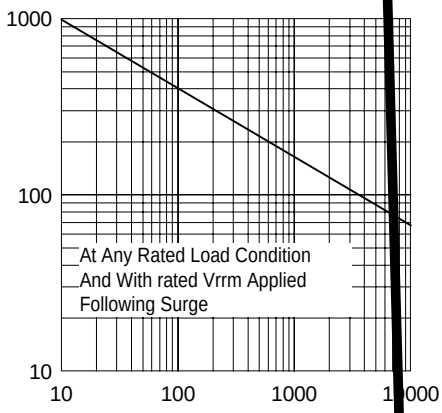

100000
10000
1000
100
10
1
0
10
20
30
40
T J = 150˚C
125˚C
100˚C
75˚C
50˚C
25˚C


1000
100
10
0
5
10
15
20
25
30
35
40
45
T J = 25˚C

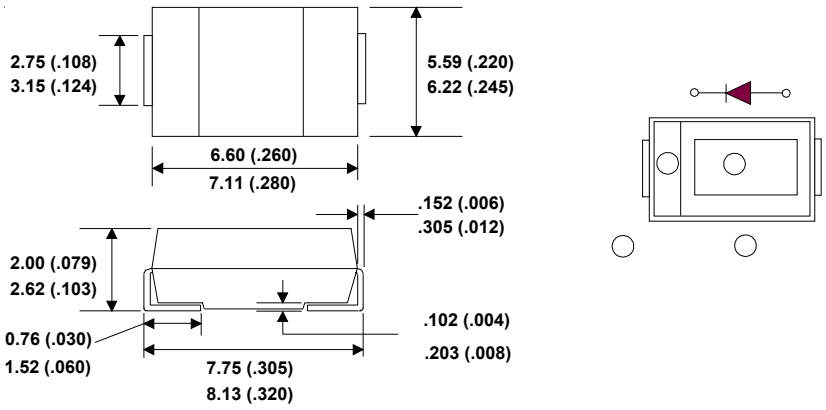

100
10
1
0.1
0.00001
0.0001
0.001
0.01
0.1
1
10
100
D = 0.75
D = 0.50
D = 0.33
D = 0.25
D = 0.20
Single Pulse
(Thermal Resistance)
P DM
t 1
t 2
Notes:
1. Duty factor D = t1/ t 2
2. Peak Tj = Pdm x ZthJC+Tc


160
150
140
130
120
110
100
90
80
70
60
0
1
2
3
4
5
DC
D=0.20
D=0.25
D=0.33
D=0.50
D=0.75
Square wave (D = 0.50)
Rated Vr applied
see note (2)



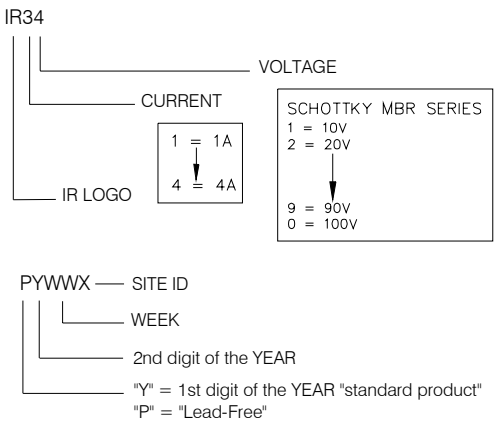

1000
100
10
10
100
1000
At Any Rated Load Condition
And With rated Vrrm Applied
Following Surge

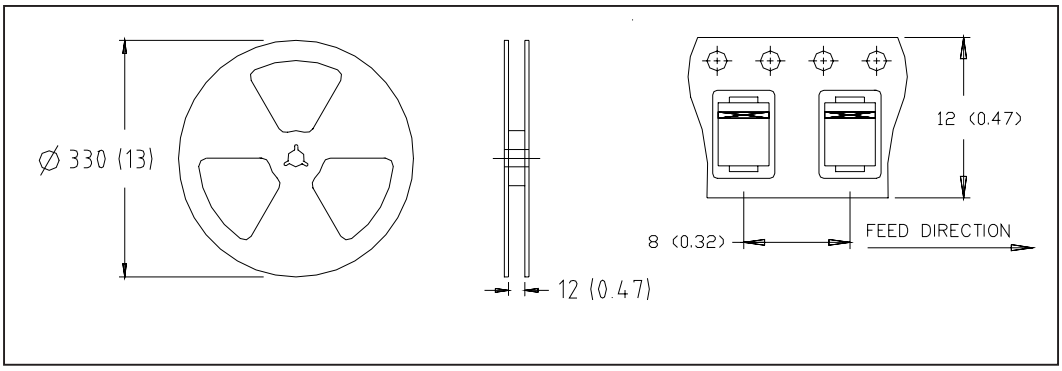
(2)

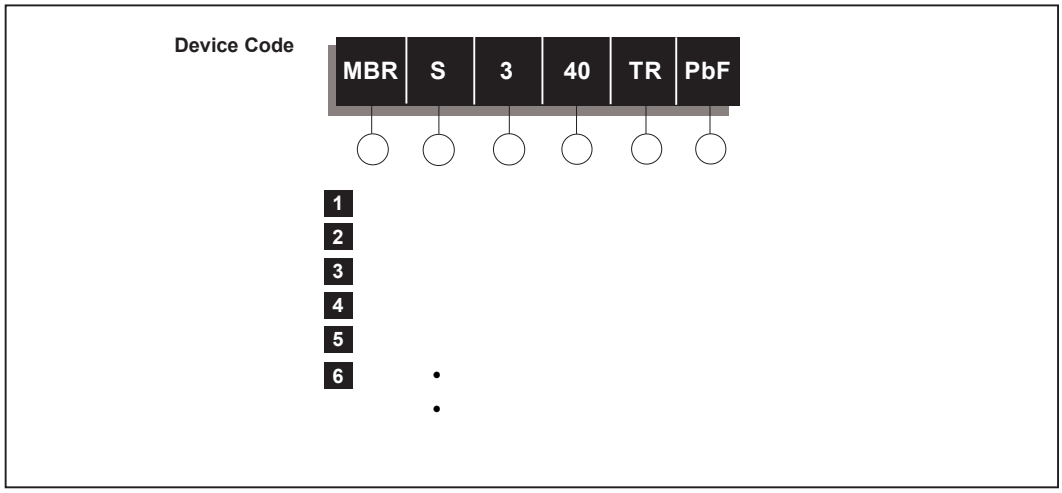

2.75 (.108)
3.15 (.124)
5.59 (.220)
6.22 (.245)
6.60 (.260)
7.11 (.280)
.152 (.006)
.305 (.012)
2.00 (.079)
2.62 (.103)
.102 (.004)
.203 (.008)
0.76 (.030)
1.52 (.060)
7.75 (.305)
8.13 (.320)

Outline SMC


IR34
PYWWX


IR34
VOLTAGE
CURRENT
IR LOGO
1 = 1A
4 = 4A
SCHOTTKY MBR SERIES
1 = 10V
2 = 20V
9 = 90V
0 = 100V
PYWWX
SITE ID
WEEK
2nd digit of the YEAR
"Y" = 1st digit of the YEAR "standard product"
"P" = "Lead-Free"





International
IOR Rectifier

IR WORLD HEADQUARTERS:

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