TO-277

TO-277 Plastic package Schottky diode .

$V_F(typ)=0.16V$

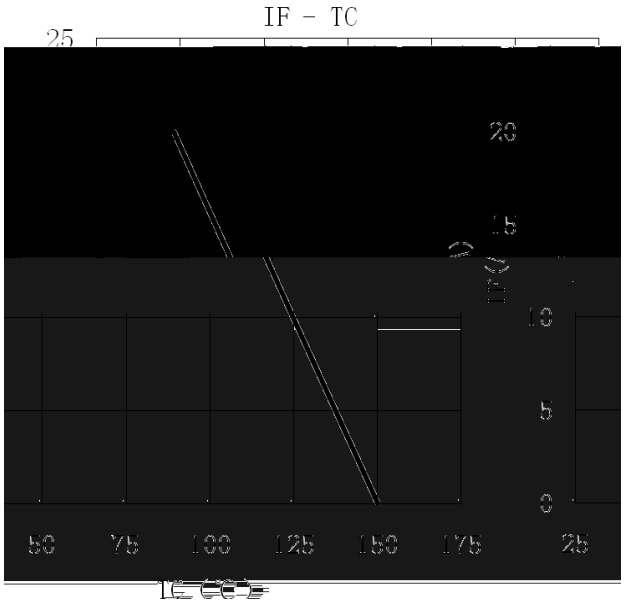
High Forward Surge Capability, Ultra Low Forward Voltage Drop $V_F(typ)=0.16V$, Excellent High Temperature Stability. HF Product.

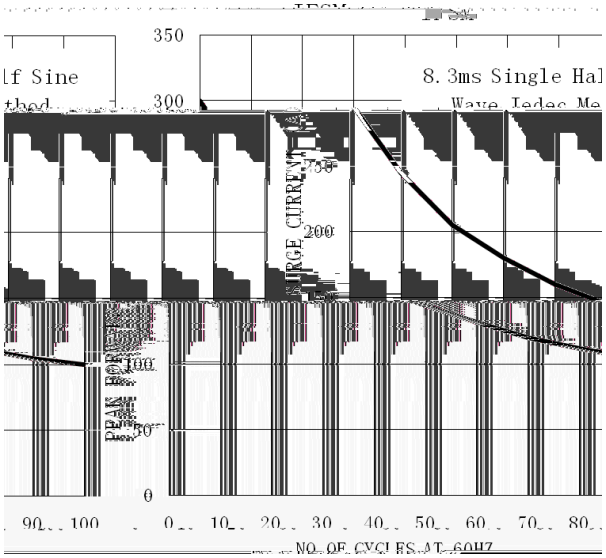
For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications.

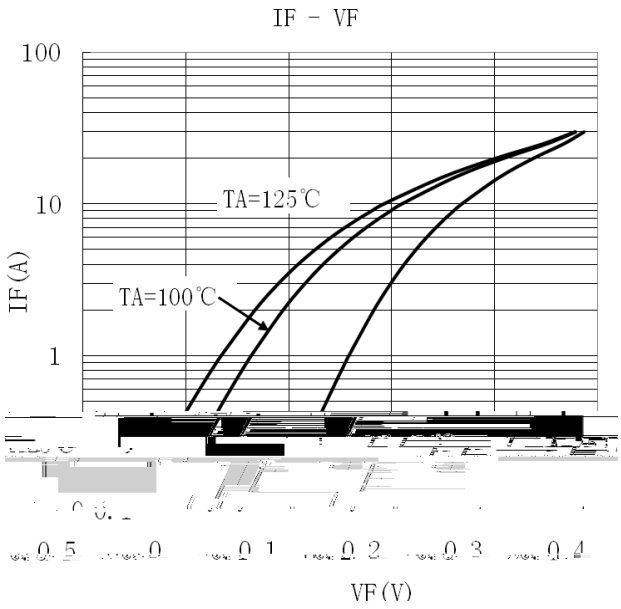
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage Peak Reverse Voltage	V_{RRM} V_{RWM} V_{RM}	60	V
RMS Reverse voltage	$V_{R(RMS)}$	42	V
Average Rectified Output Current	I_O	20	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	300	A
Repetitive peak avalanche power	P_{ARM}	30000	W
Junction Temperature Range	$T_{j\ MAX}$	150	
Storage Temperature Range	T_{stg}	-55 150	
Typical Thermal Resistance	R_{JA} Note 1	73	/W

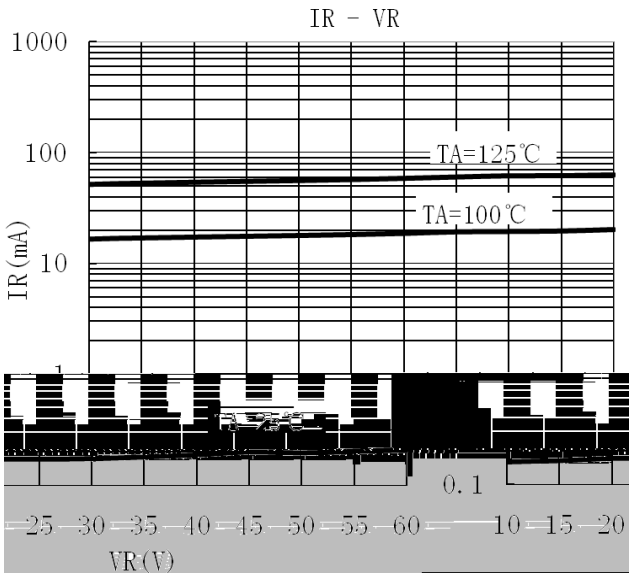
Symbol

Parameter Symbol


IF - TC
25
20
15
10
5
0
50
75
100
125
150
175
25


350
300
200
100
50
0
8.3ms Single Hal
Wave Jedec Me
90
100
0
10
20
30
40
50
60
70
80
NO. OF CYCLES AT 60HZ


IF - VF
100
10
1
IF(A)
TA=125℃
TA=100℃
0.5
0
0.1
0.2
0.3
0.4
VF(V)


IR - VR
1000
100
10
1
IR(mA)
TA=125℃
TA=100℃
0.1
25
30
35
40
45
50
55
60
10
15
20
VR(V)



20T60

****

Note:

20T60	Product Type.
****:	Lot No. Code, code change with Lot No.