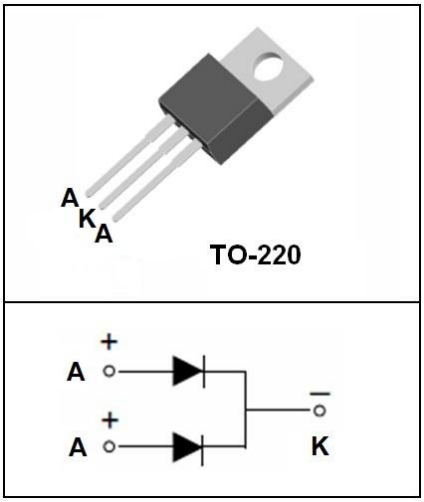
Dual High Voltage Schottky Rectifier



• Features：

- ■ Common Cathode Structure
- ■ Low Power Loss and High Efficiency
- ■ Low Forward Voltage Drop
- ■ High Surge Capability

• Application:

- ■ High Frequency Switch
- ■ Free Wheeling,and Polarity Protection Applications

Absolute Maximum Ratings(Tc=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	Maximum Repetitive Reverse Voltage	100	V
V_R	Maximum DC Reverse Voltage	100	V
$I_{F(AV)}$	Average Rectified Forward Current, Tc=120°C	10(Per Leg) 20(Per Device)	A
I_{FSM}	Peak Forward Surge Current,8.3ms Half Sine wave	150	A
Tj	Operating Junction Temperature	150	°C
Tstg	Storage Temperature Range	-55 to+150	°C

Typical Performance Characteristics

Figure 1. Forward Current Characteristics

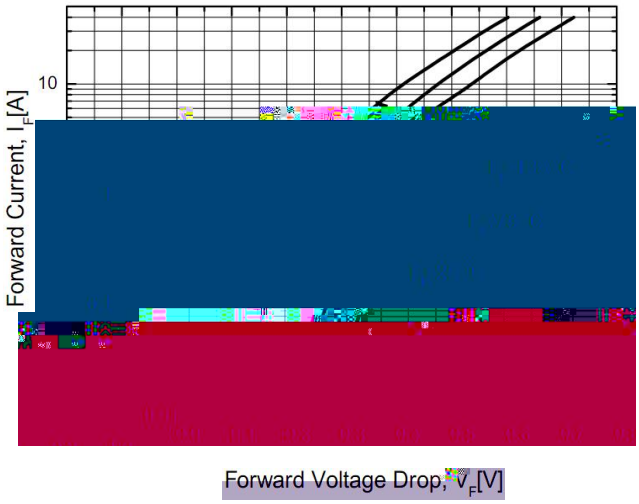


Figure 2. Reverse Leakage Current

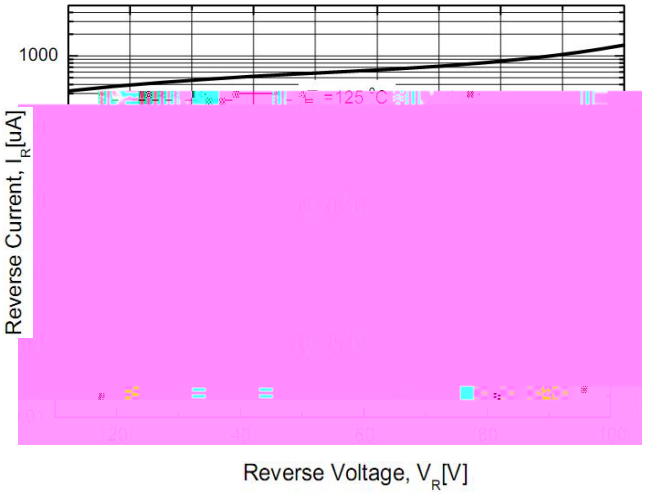


Figure 3. Junction Capacitance

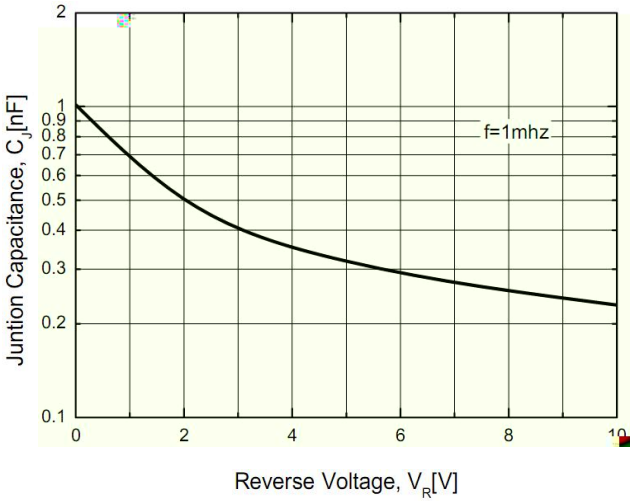
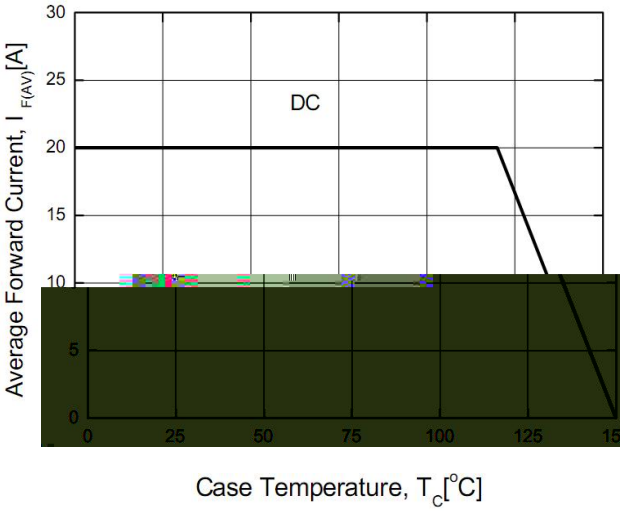


Figure 4. Power Derating



TO-220 MECHANICAL DATA

UNIT：mm

SYMBOL	min	nom	max	SYMBOL	min	nom	max
A	4.00		4.80	E	9.70		10.70
B	1.15		1.45	e		2.54	
B1	0.90		1.40	F	1.10		1.40
b1	0.65		0.95	L	12.50		14.50
c	0.30		0.50	L1	2.90	3.40	3.90
D	14.40		16.40	Q	2.50		3.10
D1	5.90		6.90	Q1	2.00		3.00
				φP	3.60		4.00