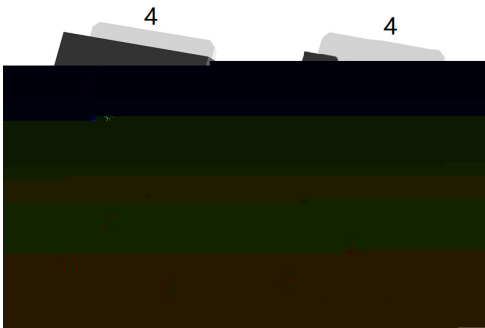
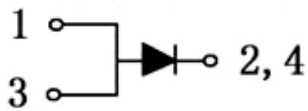


Schottky Barrier Diode in a TO-252 Plastic Package.

Low power loss, high efficiency, HF Product.

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



PIN1 Anode

PIN 2,4 Cathode

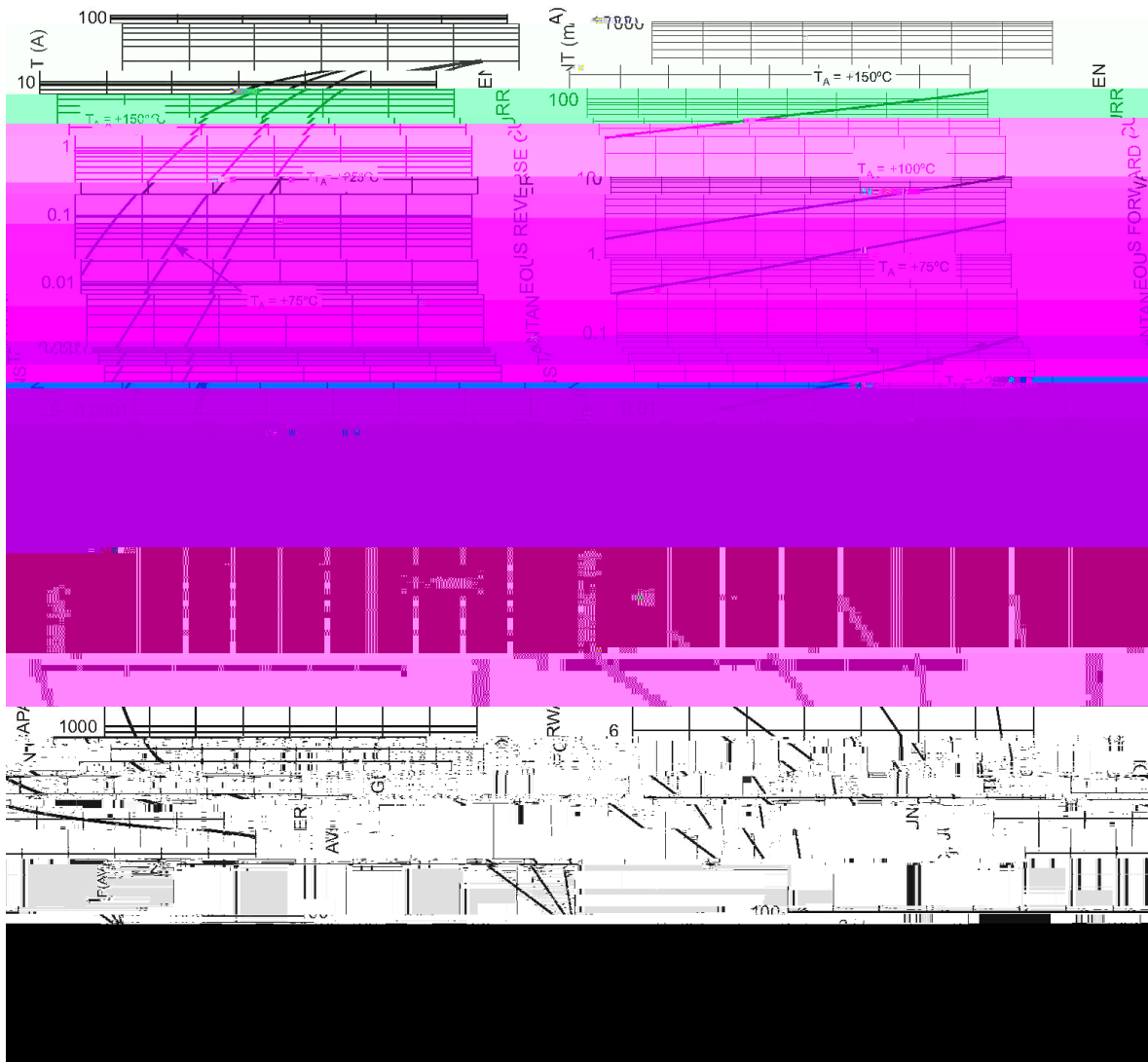
PIN 3 Anode

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage	V_{RRM} V_{RWM}	45	V
Reverse Voltage	V_R	45	V
Average Rectified Forward Current	$I_{F(AV)}$	10	A
Non Repetitive Peak Surge Current	I_{FSM}	100	A
Junction Temperature Range	T_j	150	
Storage Temperature Range	T_{stg}	-65 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R = 1mA$	45			V
Peak Forward Voltage	V_{FM}	$I_F = 2.0A(T_C = 25^\circ C)$		0.41	0.45	V
		$I_F = 2.0A(T_C = 125^\circ C)$		0.37	0.41	V
		$I_F = 10A(T_C = 25^\circ C)$		0.55	0.6	V
Instantaneous Reverse Current	I_{RM}	$V_R = 40V(T_C = 25^\circ C)$			0.5	mA
		$V_R = 40V(T_C = 125^\circ C)$			50	mA

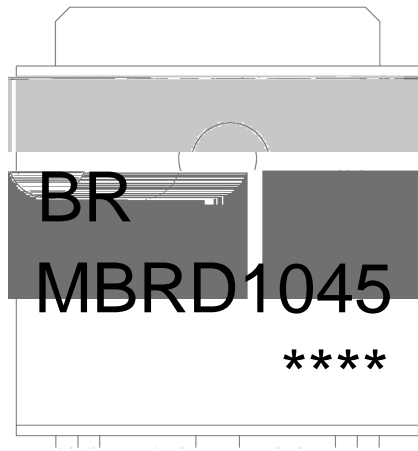
V





单位: mm

Symbol	Min	Max	Symbol	Min
A	2.20	2.40	F	5.95
B	0.50	0.55	G	4.45
C	0.45	0.55	H	9.45
D	5.16	5.50	I	0.00
E	0.66	0.66	J	0.00
K	0.66	0.66	L	0.00
M	0.66	0.66	N	0.00
O	0.66	0.66	P	0.00
Q	0.66	0.66	R	0.00
R	0.66	0.66	S	0.00
S	0.66	0.66	T	0.00
T	0.66	0.66	U	0.00
U	0.66	0.66	V	0.00
V	0.66	0.66	W	0.00
W	0.66	0.66	X	0.00
X	0.66	0.66	Y	0.00
Y	0.66	0.66	Z	0.00
Z	0.66	0.66	AA	0.00
AA	0.66	0.66	AB	0.00
AB	0.66	0.66	AC	0.00
AC	0.66	0.66	AD	0.00
AD	0.66	0.66	AE	0.00
AE	0.66	0.66	AF	0.00
AF	0.66	0.66	AG	0.00
AG	0.66	0.66	AH	0.00
AH	0.66	0.66	AI	0.00
AI	0.66	0.66	AJ	0.00
AJ	0.66	0.66	AK	0.00
AK	0.66	0.66	AL	0.00
AL	0.66	0.66	AM	0.00
AM	0.66	0.66	AN	0.00
AN	0.66	0.66	AO	0.00
AO	0.66	0.66	AP	0.00
AP	0.66	0.66	AQ	0.00
AQ	0.66	0.66	AR	0.00
AR	0.66	0.66	AS	0.00
AS	0.66	0.66	AT	0.00
AT	0.66	0.66	AU	0.00
AU	0.66	0.66	AV	0.00
AV	0.66	0.66	AW	0.00
AW	0.66	0.66	AX	0.00
AX	0.66	0.66	AY	0.00
AY	0.66	0.66	AZ	0.00
AZ	0.66	0.66	BA	0.00
BA	0.66	0.66	BB	0.00
BB	0.66	0.66	BC	0.00
BC	0.66	0.66	BD	0.00
BD	0.66	0.66	BE	0.00
BE	0.66	0.66	BF	0.00
BF	0.66	0.66	BG	0.00
BG	0.66	0.66	BH	0.00
BH	0.66	0.66	BI	0.00
BI	0.66	0.66	BJ	0.00
BJ	0.66	0.66	BK	0.00
BK	0.66	0.66	BL	0.00
BL	0.66	0.66	BM	0.00
BM	0.66	0.66	BN	0.00
BN	0.66	0.66	BO	0.00
BO	0.66	0.66	BP	0.00
BP	0.66	0.66	BQ	0.00
BQ	0.66	0.66	BR	0.00
BR	0.66	0.66	BS	0.00
BS	0.66	0.66	BT	0.00
BT	0.66	0.66	BU	0.00
BU	0.66	0.66	BV	0.00
BV	0.66	0.66	BW	0.00
BW	0.66	0.66	BX	0.00
BX	0.66	0.66	BY	0.00
BY	0.66	0.66	BZ	0.00
BZ	0.66	0.66	CA	0.00
CA	0.66	0.66	CB	0.00
CB	0.66	0.66	CC	0.00
CC	0.66	0.66	CD	0.00
CD	0.66	0.66	CE	0.00
CE	0.66	0.66	CF	0.00
CF	0.66	0.66	CG	0.00
CG	0.66	0.66	CH	0.00
CH	0.66	0.66	CI	0.00
CI	0.66	0.66	CJ	0.00
CJ	0.66	0.66	CK	0.00
CK	0.66	0.66	CL	0.00
CL	0.66	0.66	CM	0.00
CM	0.66	0.66	CN	0.00
CN	0.66	0.66	CO	0.00
CO	0.66	0.66	CP	0.00
CP	0.66	0.66	CQ	0.00
CQ	0.66	0.66	CR	0.00
CR	0.66	0.66	CS	0.00
CS	0.66	0.66	CT	0.00
CT	0.66	0.66	CU	0.00
CU	0.66	0.66	CV	0.00
CV	0.66	0.66	CW	0.00
CW	0.66	0.66	CX	0.00
CX	0.66	0.66	CY	0.00
CY	0.66	0.66	CZ	0.00
CZ	0.66	0.66	DA	0.00
DA	0.66	0.66	DB	0.00
DB	0.66	0.66	DC	0.00
DC	0.66	0.66	DD	0.00
DD	0.66	0.66	DE	0.00
DE	0.66	0.66	DF	0.00
DF	0.66	0.66	DG	0.00
DG	0.66	0.66	DH	0.00
DH	0.66	0.66	DI	0.00
DI	0.66	0.66	DJ	0.00
DJ	0.66	0.66	DK	0.00
DK	0.66	0.66	DL	0.00
DL	0.66	0.66	DM	0.00
DM	0.66	0.66	DN	0.00
DN	0.66	0.66	DO	0.00
DO	0.66	0.66	DP	0.00
DP	0.66	0.66	DQ	0.00
DQ	0.66	0.66	DR	0.00
DR	0.66	0.66	DS	0.00
DS	0.66	0.66	DT	0.00
DT	0.66	0.66	DU	0.00
DU	0.66	0.66	DV	0.00
DV	0.66	0.66	DW	0.00
DW	0.66	0.66	DX	0.00
DX	0.66	0.66	DY	0.00
DY	0.66	0.66	DZ	0.00
DZ	0.66	0.66	EA	0.00
EA	0.66	0.66	EB	0.00
EB	0.66	0.66	EC	0.00
EC	0.66	0.66	ED	0.00
ED	0.66	0.66	EE	0.00
EE	0.66	0.66	EF	0.00
EF	0.66	0.66	EG	0.00
EG	0.66	0.66	EH	0.00
EH	0.66	0.66	EI	0.00
EI	0.66	0.66	EJ	0.00
EJ	0.66	0.66	EK	0.00
EK	0.66	0.66	EL	0.00
EL	0.66	0.66	EM	0.00
EM	0.66	0.66	EN	0.00
EN	0.66	0.66	EO	0.00
EO	0.66	0.66	EP	0.00
EP	0.66	0.66	EQ	0.00
EQ	0.66	0.66	ER	0.00
ER	0.66	0.66	ES	0.00
ES	0.66	0.66	ET	0.00
ET	0.66	0.66	EU	0.00
EU	0.66	0.66	EV	0.00
EV	0.66	0.66	EW	0.00
EW	0.66	0.66	EX	0.00
EX	0.66	0.66	EY	0.00
EY	0.66	0.66	EZ	0.00
EZ	0.66	0.66	FA	0.00
FA	0.66	0.66	FB	0.00
FB	0.66	0.66	FC	0.00
FC	0.66	0.66	FD	0.00
FD	0.66	0.66	FE	0.00
FE	0.66	0.66	FF	0.00
FF	0.66	0.66	FG	0.00
FG	0.66	0.66	FH	0.00
FH	0.66	0.66	FI	0.00
FI	0.66	0.66	FJ	0.00
FJ	0.66	0.66	FK	0.00
FK	0.66	0.66	FL	0.00
FL	0.66	0.66	FM	0.00
FM	0.66	0.66	FN	0.00
FN	0.66	0.66	FO	0.00
FO	0.66	0.66	FP	0.00
FP	0.66	0.66	FQ	0.00
FQ	0.66	0.66	FR	0.00
FR	0.66	0.66	FS	0.00
FS	0.66	0.66	FT	0.00
FT	0.66	0.66	FU	0.00
FU	0.66	0.66	FV	0.00
FV	0.66	0.66	FW	0.00
FW	0.66	0.66	FX	0.00
FX	0.66	0.66	FY	0.00
FY	0.66	0.66	FZ	0.00
FZ	0.66	0.66	GA	0.00
GA	0.66	0.66	GB	0.00
GB	0.66	0.66	GC	0.00
GC	0.66	0.66	GD	0.00
GD	0.66	0.66	GE	0.00
GE	0.66	0.66	GF	0.00
GF	0.66	0.66	GG	0.00
GG	0.66	0.66	GH	0.00
GH	0.66	0.66	GI	0.00
GI	0.66	0.66	GJ	0.00
GJ	0.66	0.66	GK	0.00
GK	0.66	0.66	GL	0.00
GL	0.66	0.66	GM	0.00
GM	0.66	0.66	GN	0.00
GN	0.66	0.66	GO	0.00
GO	0.66	0.66	GP	0.00
GP	0.66	0.66	GQ	0.00
GQ	0.66	0.66	GR	0.00
GR	0.66	0.66	GS	0.00
GS	0.66	0.66	GT	0.00
GT	0.66	0.66	GU	0.00
GU	0.66	0.66	GV	0.00
GV	0.66	0.66	GW	0.00
GW	0.66	0.66	GX	0.00
GX	0.66	0.66	GY	0.00
GY	0.66	0.66	GZ	0.00
GZ	0.66	0.66	HA	0.00
HA	0.66	0.66	HB	0.00
HB	0.66	0.66	HC	0.00
HC	0.66	0.66	HD	0.00
HD	0.66	0.66	HE	0.00
HE	0.66	0.66	HF	0.00
HF	0.66	0.66	HG	0.00
HG	0.66	0.66	HH	0.00
HH	0.66	0.66		



Note:

BR:

Company Code

Product Type Code

****:

Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- | | | | | | |
|---|-----|-----|----|----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245 | 5 | 5 | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

260 ±5 10 ±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
TO-252	2,500	2	5,000	6	30,000	13 ×16	360×360×50	380×335×366

/ TUBE

Package Type	Units					Dimension (unit mm ³)		