

RECTIFIER DIODES (BRIDGE TYPE) (Ta=25°C)

Parts No.	Maximum ratings				Electrical characteristics			Fig. No.	Remarks
	V _{RM} (V)	I _O (A)	I _{FSM} (A)	Tstg (°C)	V _F (V)	I _R (μA)			
					max	Condi- tion I _F (A)	max		
RB-150	50	1.5	40	-40~+140	0.95	1.0	10	16	
-151	100								
-152	200								
-154	400								
-156	600								
-158	800								
LB-156	600	1.5	120	-40~+140	0.91	1.0	10	16	
RBA-401	100	4.0	80	-40~+150	1.05	2.0	10	17	
-402	200								
RBV-404	400	4.0	60	-40~+150	1.10	2.0	10	18	
-406	600								
-408	800		100		1.0				
-408M	600								
-408H			120		1.0				
RBV-601	100		6.0		120				
-602	200	1.05							
-604	400			100	0.95				
-606	600	170							
-608	800								
RBV-1506	600	15		200	-40~+150	1.05	7.5	50	19
-2506		25	350	12.5					

*With fin

HIGH VOLTAGE RECTIFIER DIODES (Ta=25°C)

Parts No.	Maximum ratings					Electrical characteristics				Fig. No.
	V _{RM} (kV)	I _O (mA)	I _{FSM} (A)	T _C (°C)	T _{stg} (°C)	V _F (V)	I _R (μA)	t _{rr} (μs)		
						max	I _{condi-} tion (mA)	max	max	
SHV-02	2	2.0	0.3	—	—	16	10	1.0	0.18	20
SHV-03	3					16				21
-06	6					26				23
-08	8					36				
-10	10					40				
-12	12					45				24
-14	14					55				
-16	16					60				
-20	20					75				25
-24	24					75				
SHV-06NK	6	2.0	0.5	100	-40~+120	26	10	1.0	0.18	22
-08NK	8					36				24
-10K	10					40				
-12K	12					45				
-06UNK	6					48				22
-08UNK	8					60				
-10UK	10					60				24
-12UK	12					68				
-16UK	16					90				25
-08X	8					60				24
-08XN	8					55				22

MICROWAVE OVEN DIODES (Ta=25°C)

Parts No.	Maximum ratings				Electrical characteristics			Fig. No.
	V _{RM} (kV)	I _O (mA)	I _{FSM} (A)	Tstg (°C)	V _F		I _R (μA)	
					(V)	Condi- tion		
					max	I _F (mA)	max	
HVR-IX-40B	9	350	20	-40~ +130	9	350	10	26
UX-FOB	8	350	15	-30~ +130	16	350	10	27

HIGH SPEED RECTIFIER DIODES (Ta=25°C)

Parts No.	Maximum ratings				Electrical characteristics				Fig. No.
	V _{RM} (V)	I _O (A)	I _{FSM} (A)	T _{stg} (°C)	V _F		I _R (μA)	t _{rr} (μs)	
					(V)	Condi- tion			
					max	I _F (A)	max		
RC 2	2000	0.2	20	-40~+130	2.0	0.2	10	4.0	3
RU 1	400	0.25	15	-40~+130	2.5	0.25	10	0.4	
1A	600								
1B	800								
1C	1000								
EU 1Z	200	0.25	15	-40~+140	2.5	0.25	10	0.4	4
1	400								
1A	600								
EU01Z	200	0.25*	15	-40~+140	2.5	0.25	10	0.4	5
01	400								
01A	600								
EP01C	1000	0.2	5	-40~+140	4.0	0.2	5	0.2	5
EH 1Z	200	0.6	30	-40~+140	1.35	0.6	10	4.0	4
1	400								
1A	600								
RF 1Z	200	0.6	15	-40~+130	2.0	0.6	10	0.4	3
1	400								
1A	600								
1B	800	0.6	35	-40~+130	1.3	0.6	5	4.0	3
RH 1Z	200								
1	400								
1A	600								
1B	800								
1C	1000								
AS01Z	200	0.6	20	-40~+150	1.50	0.6	10	1.5	2
01	400								
01A	600								
AP01C	1000	0.2	5	-40~+150	4.0	0.2	100	0.2	2
ES01Z	200	0.7*	30	-40~+140	2.5	0.8	10	1.5	5
01	400								
01A	600								
01F	1500	0.5*	20	-40~+140	2.0	0.5	10	1.5	4
ES 1Z	200	0.7	30		2.5	0.8			
1	400								
1A	600								
1F	1500	0.5	20	-40~+130	2.0	0.5	10	1.5	3
RS 1A	600	0.7	30		2.5	0.8			
1B	800								
RH 2F	1500	1.0	60	-40~+130	1.0	1.0	10	4.2	6
AU01Z	200	0.5	15	-40~+150	1.70	0.5	10	0.4	2
01	400								
01A	600								
AU02Z	200	0.8	25	-40~+150	1.30	0.8	10	0.4	2
02	400								
02A	600								
EP01C	1000	0.2	5	-40~+140	4.0	0.2	5	0.2	5
RU 2Z	200	1.0	20	-40~+130	1.5	1.0	10	0.4	3
2	600								
2B	800								

*With print substrate 27

AVALANCHE DIODES

(Ta=25°C)

Parts No.	Maximum ratings			Electrical characteristics			Fig. No.
	V _{RM} (V)	I _{ZSM} (A) Momentary	T _{stg} (°C)	V _Z (V) 1mA Momentary	I _R (μA)	I _{RM} (μA)	
RM 25	40	3.0	-40~+130	50~61.5	5	20	3
RM 26	50			60~70			
R 2M	130	1.0	-40~+150	135~180	10	50	3
RY 23	200	0.1	-40~+130	250~400	10	50	3
RY 24	400			400~450			

POWER ZENER DIODES

(Ta=25°C)

Parts No.	Maximum ratings				Electrical characteristics			Fig. No.
	P _R (W)	V _{DC} (V)	V _{ZSM} (A) Momentary	T _{stg} (°C)	V _Z (V) 1mA Momentary	I _R (mA)	H·I _R (mA)	
PZ127	150	20	4	-40~+150	27±5	0.5	1.0	3
227	300		8					6
427	450		9					8
628	1500		40					34

GaAs SCHOTTKY BARRIER DIODES(GSC SERIES)

Maximum ratings

(Ta=25°C)

Item Parts No.	V _{RM} (V)	I _O (A)	T _C (°C)	I _{FSM} * (A)	I _{2t} * (A ² s)	T _J (°C)	T _{stg} (°C)
		Rectangular wave duty 1/2 average		50Hz half sine wave peak value	50Hz half sine wave Single shot		
GSC215	150	5	114	20	2.0	-40~ +150	-40~ +150
GSC218	180						
GSC235	350	2	115	8	0.3		
GSC315	150	14	80	50	18		
GSC318	180						

* Per element

Electrical and thermal characteristics

(Ta=25°C)

Item	V _F * (V)	I _F (A)	I _R * (mA)	I _{RHM} * (mA)	trr* (ns)	Co* (pF)	R _{thJC} (C/W)	T _J (C)	
			V _R = V _{RM} max	V _R = V _{RM} max T _J = 150 C	$\frac{dI_F}{dt} = 100 \frac{A}{\mu s}$				
Parts No.						V _R = 0V f _m = 1MHz			
GSC215	0.90	2.5	1.0	10	7	2	150	5.0	13
GSC218				15					
GSC235	1.50	1.0		4.5	5	1	100		
GSC315	0.90	7.0	3.0	30	10	6	450	3.5	14
GSC318				45					

* Per element

Full view (Unit:mm)

Fig. 1

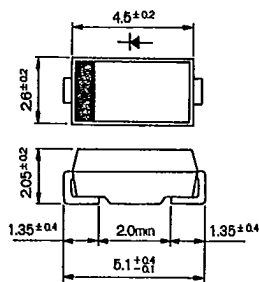


Fig. 2

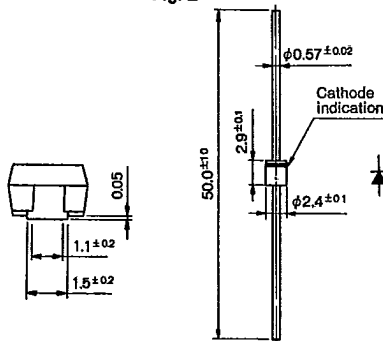


Fig. 3

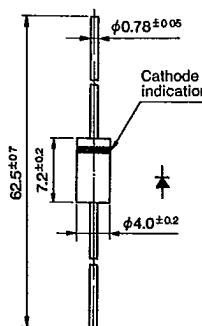


Fig. 4

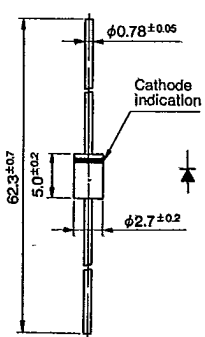


Fig. 5

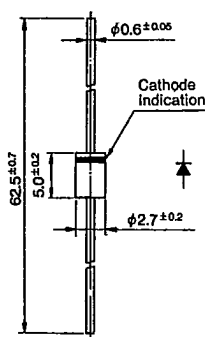


Fig. 6

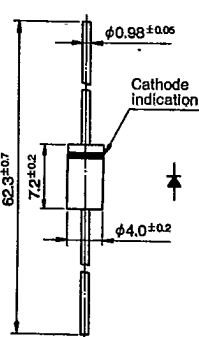


Fig. 7

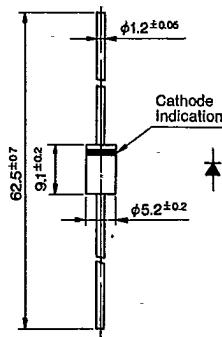


Fig. 8

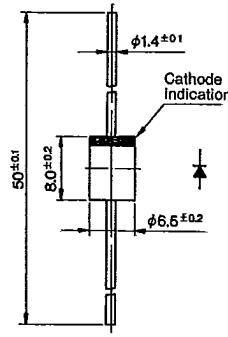


Fig. 9

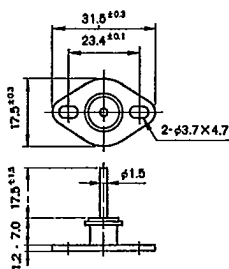


Fig. 10

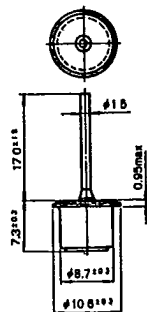


Fig. 11

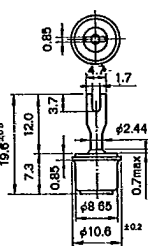


Fig. 12

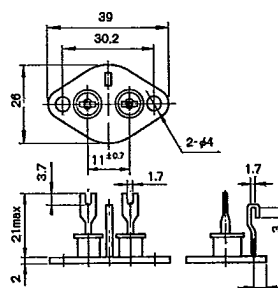
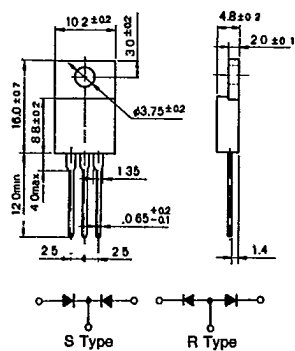
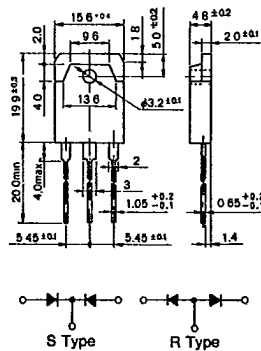


Fig. 13 (TO-220)



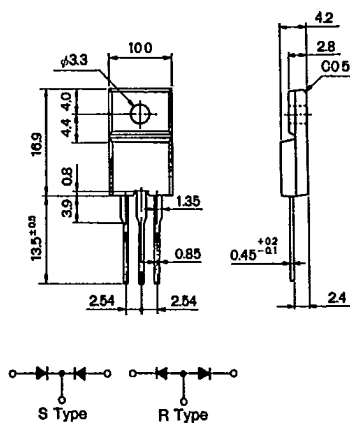
S Type R Type

Fig. 14 (TO-3P)



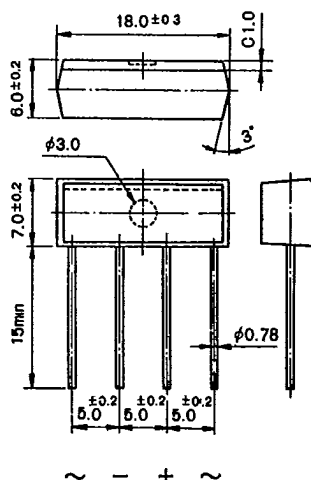
S Type R Type

Fig. 15



S Type R Type

Fig. 16



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Fig. 17

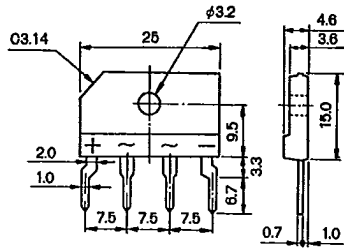


Fig. 18

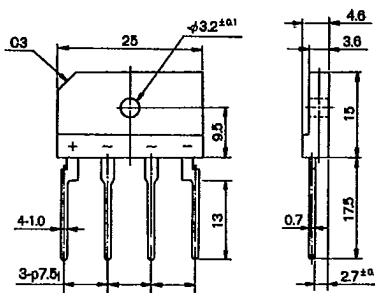


Fig. 19

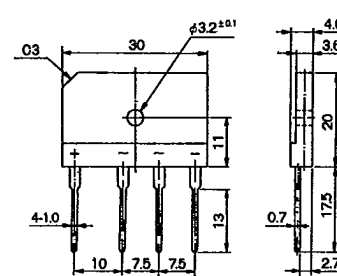


Fig. 20

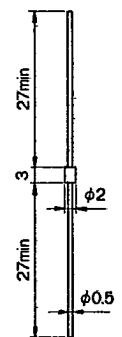


Fig. 21

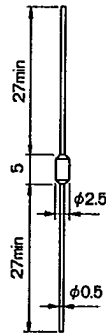


Fig. 22

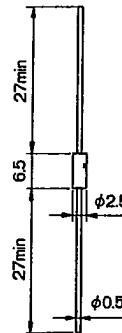


Fig. 23

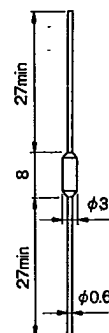


Fig. 24

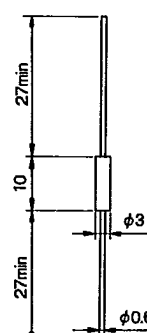


Fig. 25

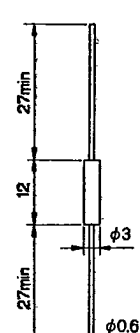


Fig. 26

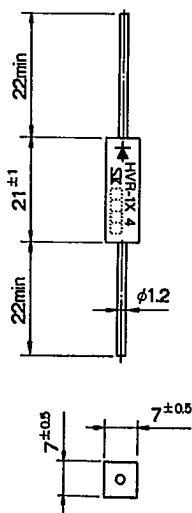


Fig. 27

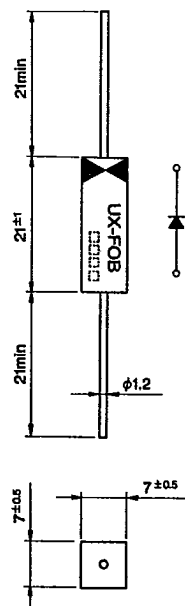


Fig. 28

