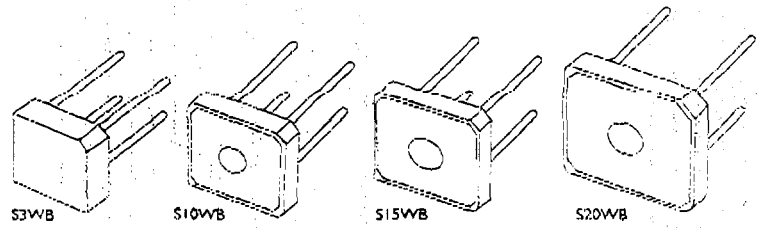


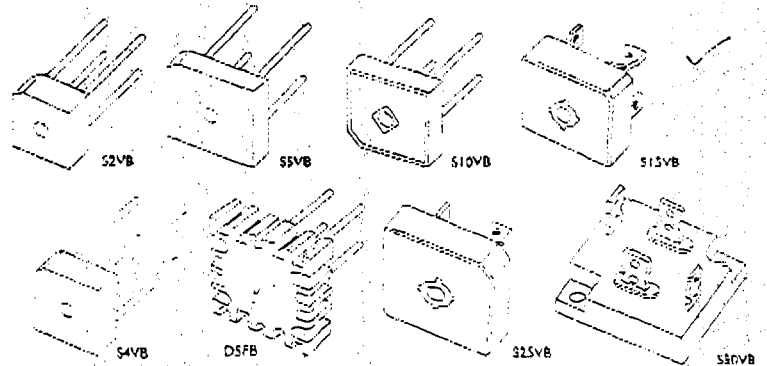
SQIP Bridge Diodes

Input/Output in-line terminal



Type No.	Absolute Maximum Ratings						Electrical Characteristics						Remarks	Outline	
	V _{AM} [V]	I _O [A]	Conditions T _c [°C]	I _{FSM} [A]	T _{stg} [°C]	T _j [°C]	V _F (max) [V]	Conditions I _F [A]	I _R (max) V _R =V _{AM} [μA]	θ _j (max) [°C/W]	θ _a (max) [°C/W]	θ _c (max) [°C/W]		Package	Figure
S3WB20	200	2.3	40*	120	-40~150	150	1.05	2	10	5.5	26.5	—	—	S3WB	33
60	600														
S10WB20	200	10	74	170	-40~150	150	1.05	5	10	4	24	3.9	—	S10WB	34
60	600														
S15WB20	200	15	77	200	-40~150	150	1.05	7.5	10	2	19	2.5	—	S15WB	35
60	600														
S20WB20	200	20	76	500	-40~150	150	1.05	10	10	2	17	2	—	S20WB	36
60	600														

*: T_c



SQIP Bridge Diodes

Type No.	Absolute Maximum Ratings						Electrical Characteristics						Remarks	Outline	
	V _{AM} [V]	I _O [A]	Conditions T _a [°C]	I _{FSM} [A]	T _{stg} [°C]	T _j [°C]	V _F (max) [V]	Conditions I _F [A]	I _R (max) V _R =V _{AM} [μA]	θ _j (max) [°C/W]	θ _a (max) [°C/W]	θ _c (max) [°C/W]		Package	Figure
S2VB20	200	2	40	40	-40~150	150	1.05	1	10	7	—	—	—	S2VB	37
60	600														
S4VB20	200	4	40	80	-40~150	150	1.05	2	10	4.5	—	—	—	S4VB	38
60	600														
D5FB20	200	5	30	200	-40~150	150	1.05	2.5	10	2.5	14.7	—	—	D5FB	67
60	600														
S5VB20	200	6	40	200	-40~150	150	1.05	3	10	3	—	—	—	S5VB	39
60	600														
S10VB20	200	10	40	200	-40~150	150	1.05	5	10	2.8	—	—	—	S10VB	40
60	600														
D15VBA60	600	15	83*	300	-40~150	150	1.05	7.5	10	—	—	2.3	PCB Spacer in Leads	S15VB	68
80	800														
S15VB20	200	15	83*	200	-40~150	150	1.05	7.5	10	—	—	2.3	—	S15VB	41
60	600														
D25VB20	200	25	85*	400	-40~150	150	1.05	12.5	10	—	—	1.5	PCB Spacer in Leads	S25VB	69
60	600														
S25VB20	200	25	85*	400	-40~150	150	1.05	12.5	10	—	—	1.5	—	S25VB	42
60	600														
S50VB60	600	50	95*	500	-40~150	150	1.05	25	10	—	—	0.5	—	S50VB	43
80	800														

*: T_c

*1: With heatsink

Shindengen America, Inc.

SHINS00373

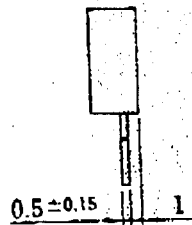
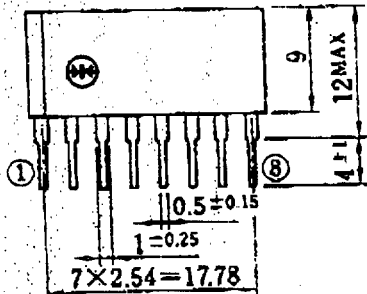
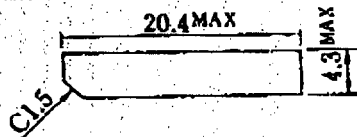
PPP
P=2.54

15° MAX 7.62 15° MAX

Fig. 66

Package: TK

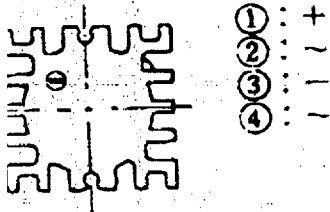
- ① : E1, 2
- ② : B1
- ③ : C1
- ④ : B2
- ⑤ : C2
- ⑥ : B3
- ⑦ : C3
- ⑧ : B4
- ⑨ : C4
- ⑩ : E3, 4



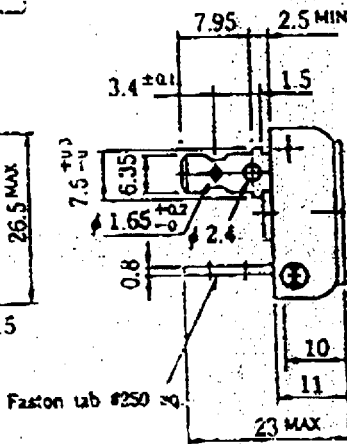
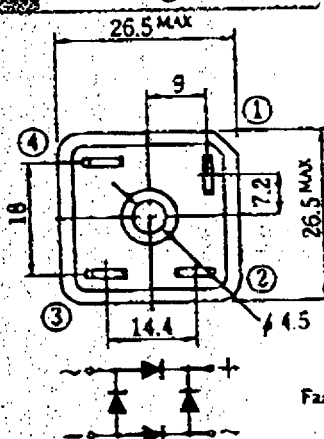
- ① : E1, 2, 3
- ② : B1
- ③ : C1
- ④ : B2
- ⑤ : C2
- ⑥ : B3
- ⑦ : C3
- ⑧ : E1, 2, 3

Fig. 68

Package: SQIP



- ① : +
- ② : -
- ③ : -
- ④ : -



- ① : +
- ② : -
- ③ : -
- ④ : -

Fig. 70

Package: UB



- ① : +
- ② : -
- ③ : -
- ④ : -

