



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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### STANDARD RECOVERY, PCB MOUNTING, 1-PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLIES

- Low forward voltage drop
- Low reverse leakage current
- Subminiature design for pcb mounting
- $V_{RWM}$  up to 3000V
- Pcb mounting

### QUICK REFERENCE DATA

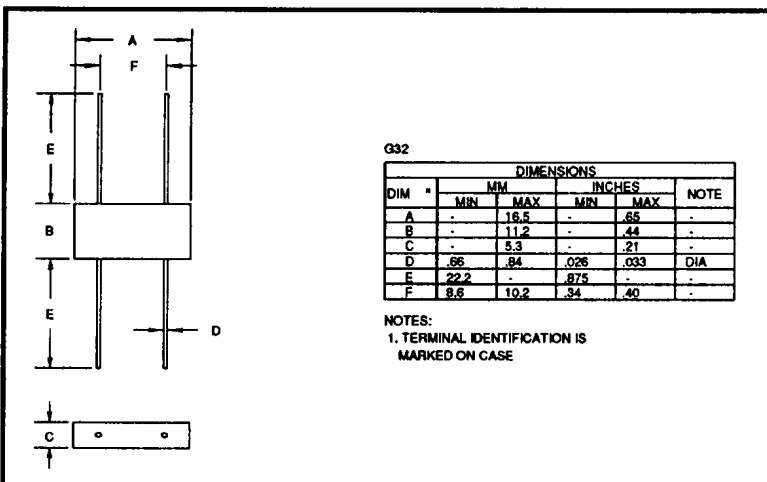
- $V_R = 50V - 3000V$
- $I_F = 0.36 - 1.5A$
- $I_R = 2.0 \mu A$
- $t_{rr} = 2 - 2.5 \mu S$

### ABSOLUTE MAXIMUM RATINGS & CHARACTERISTICS

Device Type	Working Reverse Voltage $V_{RWM}$	Average Rectified Current $I_F(AV)$		Repetitive Surge Current $I_{FRM}$	Reverse Leakage Current $I_R @ V_{RWM}$		Forward Voltage drop / leg $@ 25^\circ C$ $V_F @ 1A$ * $@ 250mA$	Reverse Recovery Time $t_{rr}$ $@ 25^\circ C$
		@ $55^\circ C$	@ $100^\circ C$		@ $25^\circ C$	@ $100^\circ C$		
	Volts	Amps	Amps	Amps	$\mu A$	$\mu A$	Volts	$\mu S$
SBR05	50	1.5	1.0	10	2.0	50	1.1	↑ 2.0 ↓
SBR1	100	1.5	1.0	10	2.0	50	1.1	
SBR2	200	1.5	1.0	10	2.0	50	1.1	
SBR4	400	1.5	1.0	10	2.0	50	1.1	
SBR6	600	1.5	1.0	10	2.0	50	1.1	
SBR8	800	1.5	1.0	10	2.0	50	1.1	
SBR10	1000	1.5	1.0	10	2.0	50	1.1	
SBR15	1500	0.36	0.24	2.5	2.0	50	* 5.0	
SBR20	2000	0.36	0.24	2.5	2.0	50	* 5.0	
SBR25	2500	0.36	0.24	2.5	2.0	50	* 5.0	
SBR30	3000	0.36	0.24	2.5	2.0	50	* 5.0	

### MECHANICAL

<sup>1</sup> Measured on discrete devices prior to assembly



SBR10 and SBR30 are available in Europe to DEF STAN 59-61/90/213 release to F and FX levels.

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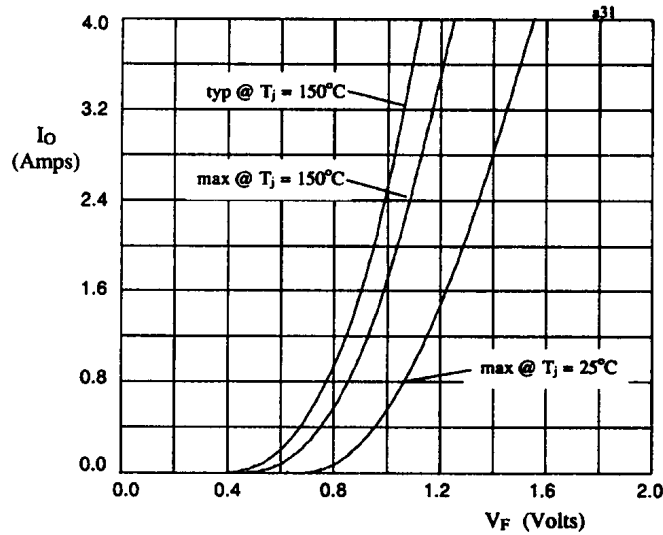


Fig 1. Forward voltage drop against output current per leg for SBR05 thru SBR10.

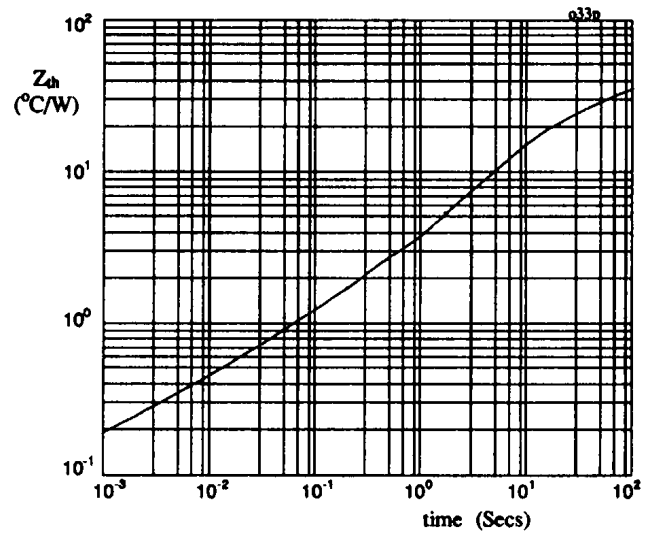


Fig 2. Transient thermal impedance characteristic per leg for SBR05 thru SBR10

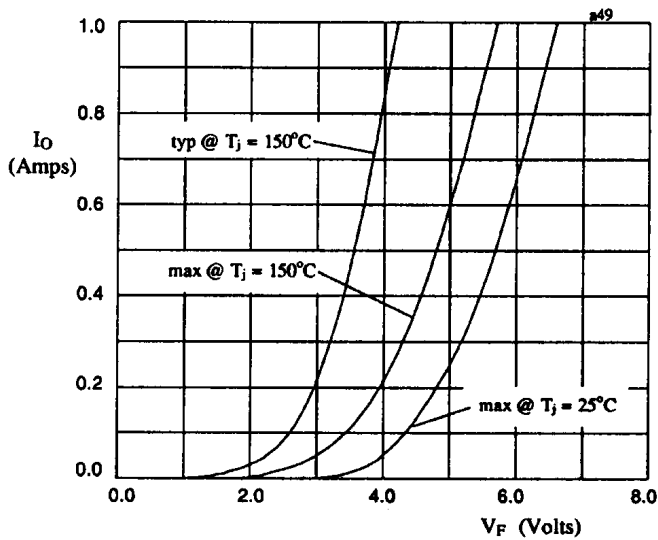


Fig 3. Forward voltage drop against output current per leg for SBR15 thru SBR30

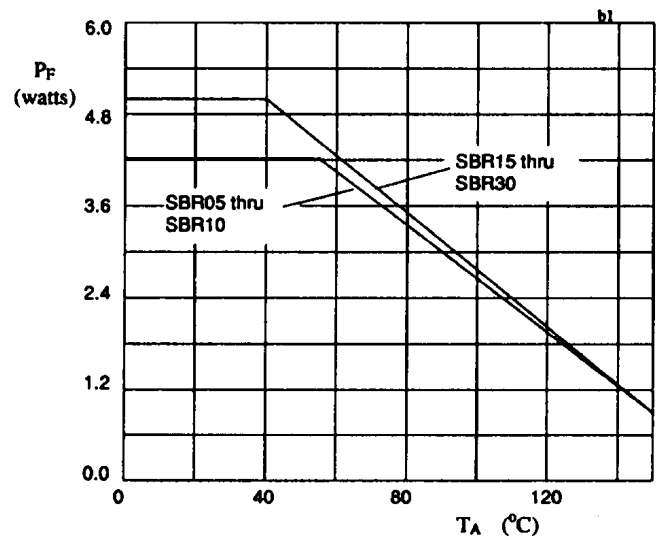


Fig 4. Power derating characteristics when p.c.b mounted