



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

- Low forward voltage drop
- Low reverse leakage current
- Subminiature design for pcb mounting
- VRWM up to 2500V
- PCB mounting

QUICK REFERENCE DATA

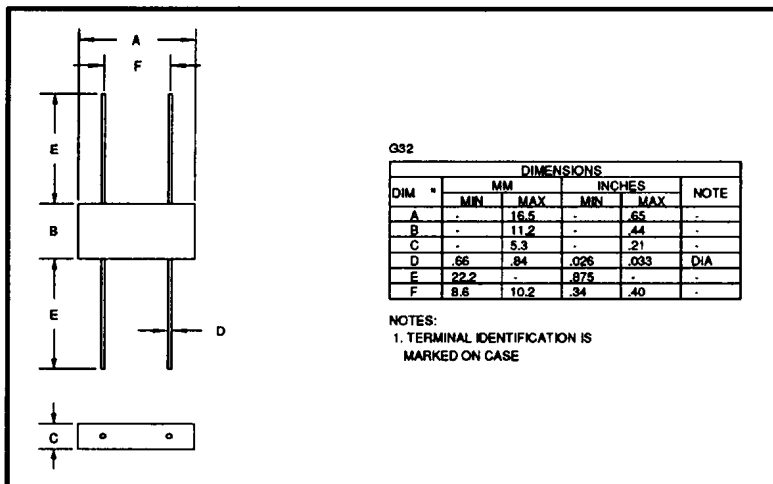
- $V_R = 50V - 2500V$
- $I_F = 0.36 - 1.0A$
- $I_R = 2.0 \mu A$
- $t_{rr} = 150 - 500nS$

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°C $V_F @ 1A$ * @ 100mA	Reverse Recovery Time t_{rr} @ 25°C
		@ 55°C	@ 100°C	@ 25°C	@ 25°C	@ 100°C		
		Volts	Amps	Amps	Amps	μA		
SBR05F	50	1.0	0.65	10	2.0	50	1.2	150
SBR1F	100	1.0	0.65	10	2.0	50	1.2	150
SBR2F	200	1.0	0.65	10	2.0	50	1.2	150
SBR4F	400	1.0	0.65	10	2.0	50	1.2	150
SBR6F	600	1.0	0.65	10	2.0	50	1.2	250
SBR8F	800	1.0	0.65	10	2.0	50	1.5	300
SBR10F	1000	1.0	0.65	10	2.0	50	1.5	500
SBR25F	2500	0.36	0.23	2.5	2.0	50	* 5.0	300

MECHANICAL

¹ Measured on discrete devices prior to assembly



SBR4F is available in Europe to DEF STAN 59-61/90/213 release to F and FX levels.

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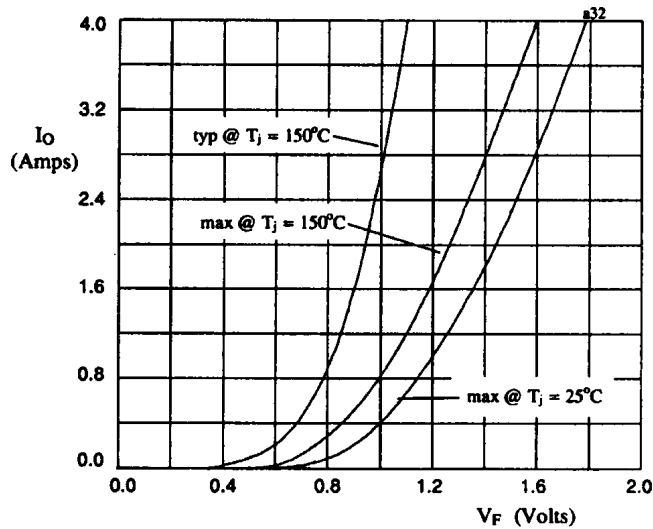


Fig 1. Forward voltage drop against output current per leg for SBR05F thru SBR6F.

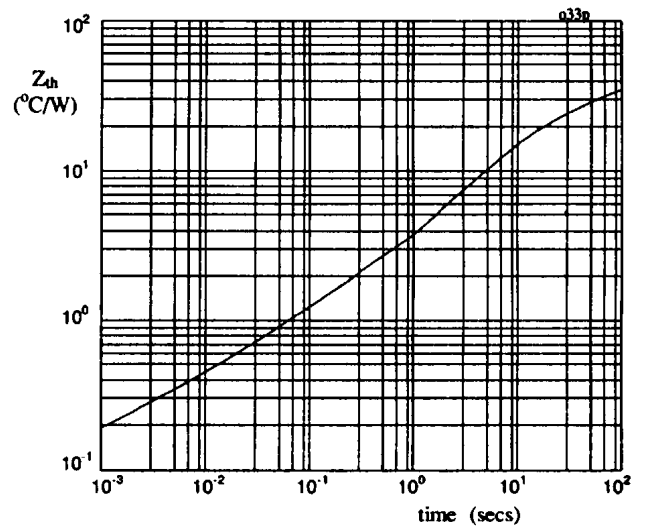


Fig 2. Transient thermal impedance characteristic per leg for SBR05F thru SBR10F

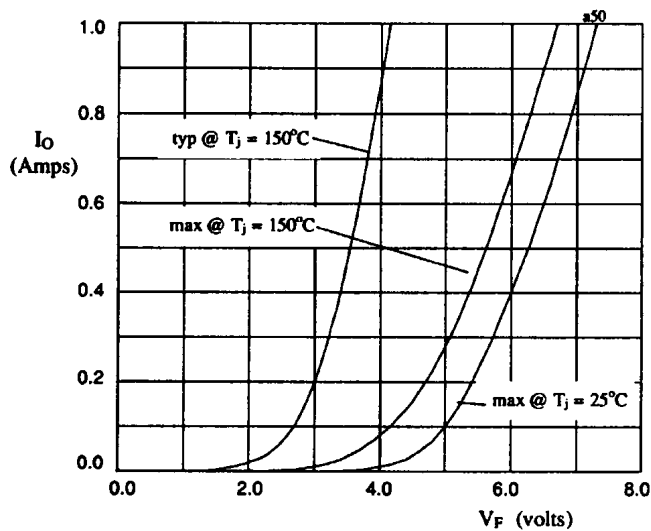


Fig 3. Forward voltage drop against output current per leg for SBR25F

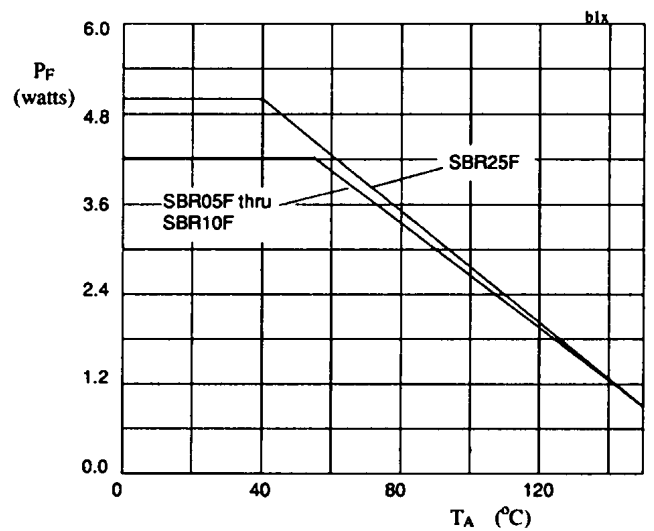


Fig 4. Power derating characteristics when p.c.b mounted