

SEMTECH**SUPERFAST RECOVERY 1 PHASE
SILICON BRIDGE RECTIFIERS****SBR05FF
SBR10FF
SBR15FF**

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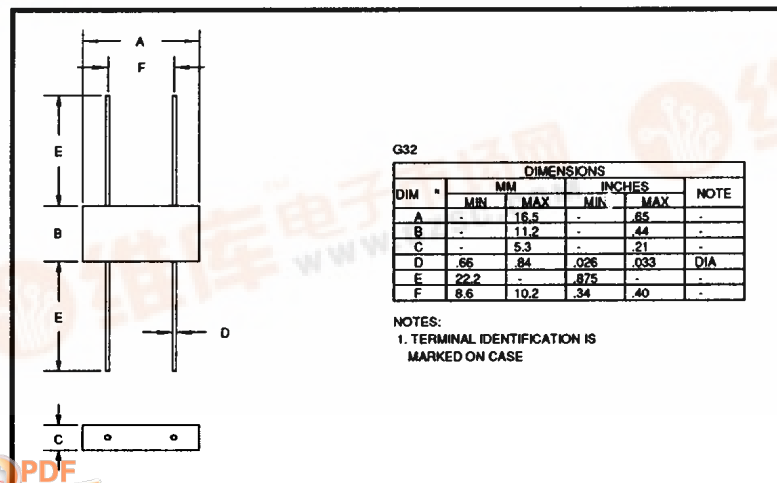
**SUPERFAST RECOVERY, PCB MOUNTING, 1-PHASE
FULL WAVE BRIDGE RECTIFIER ASSEMBLIES****QUICK REFERENCE
DATA**

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

- $V_R = 50V - 150V$
- $I_F = 1.0A$
- $I_R = 2.0 \mu A$
- $t_{rr} = 30nS$

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 $V_F @ 1.5A$ @ 25°C	Reverse Recovery Time t_{rr} @ 25°C
		@ 55 °C	@ 100 °C		@ 25°C	@ 100°C		
		Volts	amps	amps	μA	μA		
SBR05FF	50	1.0	0.3	14	2.0	100	1.2	30
SBR10FF	100	1.0	0.3	14	2.0	100	1.2	30
SBR15FF	150	1.0	0.3	14	2.0	100	1.2	30

¹ Measured on discrete devices prior to assembly**MECHANICAL**

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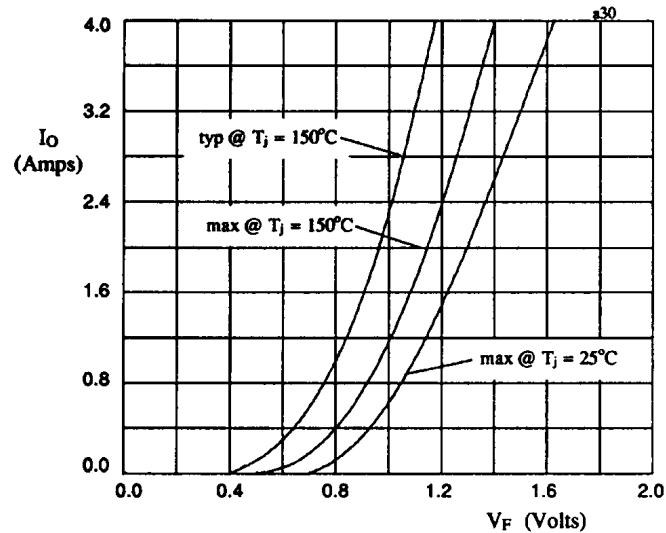


Fig 1. Forward voltage drop against output current per leg

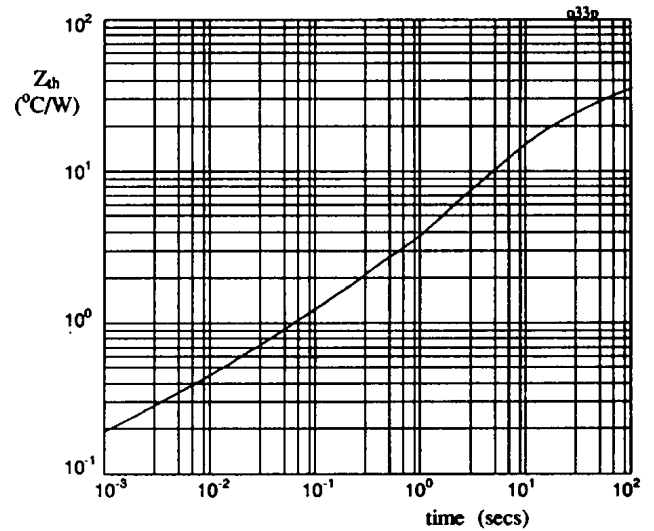


Fig 2. Transient thermal impedance characteristic per leg

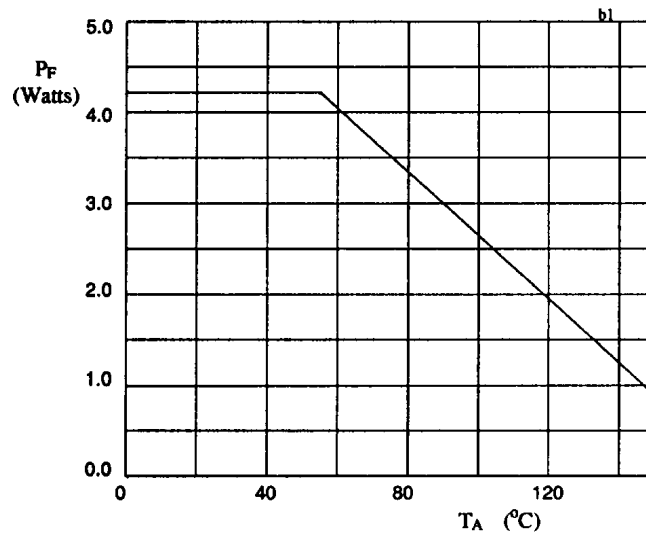


Fig 3. Power derating characteristics when p.c.b mounted