SUPERFAST RECOVERY 3-PHASE SILICON BRIDGE RECTIFIERS

S3BR05FF S3BR10FF S3BR15FF

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SUPERFAST RECOVERY, LOW CURRENT 3-PHASE FULL WAVE BRIDGE RECTIFIER ASSEMBLIES

- Low forward voltage drop
- Low reverse leakage current
- Subminiature design
- V_{RWM} up to 150V
- Very fast reverse recovery time

QUICK REFERENCE DATA

• $V_R = 50V - 150V$

• $l_F = 2.0A$

• $I_R = 3.0 \mu A$

• $t_{rr} = 30nS$

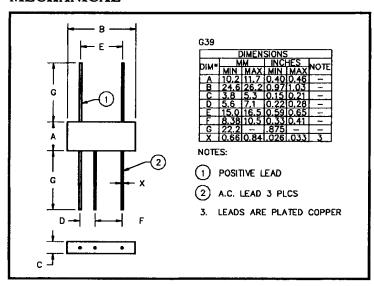
ABSOLUTE MAXIMUM RATINGS & CHARACTERISTICS

Device Type	Working Reverse Voltage VRWM	Average Rectified Current I _{F(AV)} @ 55°C @ 100°C	
	Volts	Amps	Amps
S3BR05FF	50	2.0	1.1
S3BR10FF	100	2.0	1.1
S3BR15FF	150	2.0	1.1

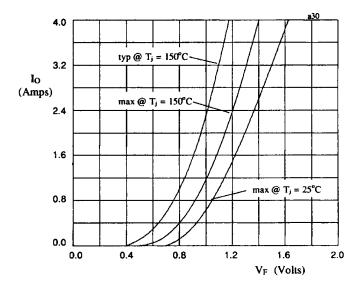
Reverse Leakage Current I _R @ V _{RWM}		Forward Voltage drop / leg V _F @ 1.5A	Reverse Recovery Time t _{rr}
@ 25 ℃	@ 100 °C	@ 25°C	@ 25°C
μΑ	μΑ	Volts	nS
3.0	150	1.2	30
3.0	150	1.2	30
3.0	150	1.2	30

¹ Measured on discrete devices prior to assembly

MECHANICAL



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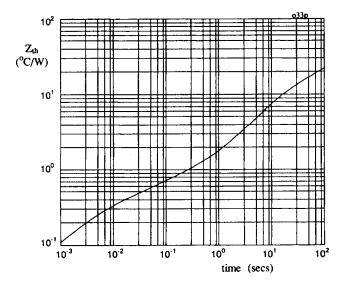


Fig 1. Forward voltage drop against output current per leg

Fig 2. Transient thermal impedance characteristic per leg

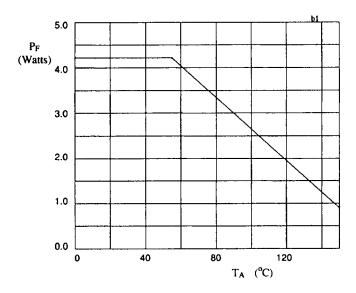


Fig 4. Power derating characteristics when p.c.b mounted