

STANDARD RECOVERY 3-PHASE SC3BJ05 FULL WAVE BRIDGE RECTIFIERS SC3BJ1 SC3BJ2 SC3BJ4 SC3BJ6

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

- Low forward voltage drop
- Low reverse leakage current
- Aluminum case
- Low thermal impedance
- Insulated electrical connections

QUICK REFERENCE DATA

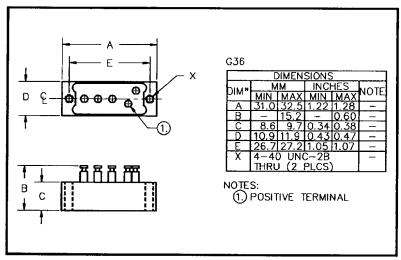
- $V_R = 50V 600V$
- IF = 5A
- $I_R = 3.0 \mu A$
- t_{rr} = 2.0µS

Device Type	Working Reverse Voltage V _{RWM}	Average Rectified Current IF(AV)						1 Cycle Surge	
		@ case temperature			@ ambient temperature			Current I _{FSM} @ t _p = 8.3mS	
		@ 55°C	@ 100ºC	@ 125⁰C	@ 25℃	@ 55℃	@ 100°C	@ 25°C	@ 100°C
	Volts	Amps	Amps	Amps	Amps	Amps	Amps	Amps	Amps
SC3BJ05	50								
SC3BJ1	100								
SC3BJ2	200	5.0	3.0	2.0	2.0	1.5	1.0	50	35
SC3BJ4	400								
SC3BJ6	600								

ABSOLUTE MAXIMUM RATINGS

 $R_{\theta JC} = 6.0^{\circ}C/W$

MECHANICAL



SC3BJ6 is available in Europe to DEF STAN 59-61/90/208 release to F and FX levels.



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Device	Leakage	n Reverse Current V _{RWM}	Maximum Forward Voltage VF @ 1A/leg	Maximum Reverse Recovery Time ¹	Maximum operating & storage temp range.	
Туре	@ 25°C	@ 100°C	@ 25°C	tπ @ 25°C	T _{OP} T _{STG}	
	μA	μA	Volts	μS	°C	
SC3BJ05 SC3BJ1 SC3BJ2 SC3BJ4 SC3BJ6	3.0	75	1.1	2.0	-55 to +150	

ELECTRICAL CHARACTERISTICS

¹ Measured on discrete devices prior to assembly

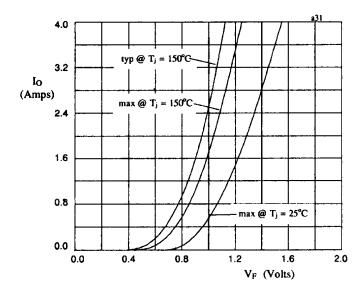


Fig 1. Forward voltage drop against output current per leg

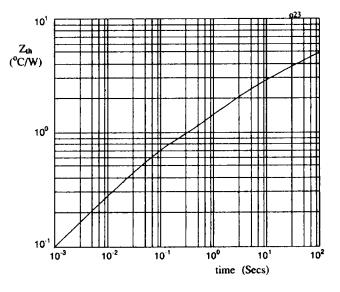


Fig 2. Transient thermal impedance characteristic per leg