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Rectifier Assembly

Single Phase, Standard Recovery
 SBM*05 ----SBM*10 Series

FEATURES

- Low Forward Voltage Drop
- Low Reverse Leakage
- Void-less Encapsulation
- Glass-Passivated Junctions

QUICK REFERENCE DATA

- PIV: from 50V to 1000V
- Recovery times: to 2000nS
- Forward Current: 1.5A
- Reverse Current: 2 μ A

ELECTRICAL CHARACTERISTICS (at 25°C unless noted)							MAX RATINGS		
Type	PIV	Average Rectified Current		Reverse Current		Maximum Reverse Recovery Time T _{RR}	Forward Voltage V _F @I _F	Repetitive Surge Current	1 Cycle Surge Current
		I _{F(AV)}		I _R				I _{FRM}	I _{FSM} **
		T _A =25°C	T _A =100°C	T _A =25°C	T _A =100°C			*	T _A =25°C
	Volt	Amps	Amps	μ A	μ A	nS	Volt @Amp	Amps	Amps
SBM*05	50	1.5	1.0	2	50	2000	1.1 @1.0	10	50
SBM*1	100	1.5	1.0	2	50	2000	1.1 @1.0	10	50
SBM*2	200	1.5	1.0	2	50	2000	1.1 @1.0	10	50
SBM*4	400	1.5	1.0	2	50	2000	1.1 @1.0	10	50
SBM*6	600	1.5	1.0	2	50	2000	1.1 @1.0	10	50
SBM*8	800	1.5	1.0	2	50	2000	1.1 @1.0	10	50
SBM*10	1000	1.5	1.0	2	50	2000	1.1 @1.0	10	50

* I_F= .5A, I_R=1A, I_{rec}=.25A, measured on discretes prior to assembly
 ** Tp=8.3mS

MECHANICAL CHARACTERISTICS

CASE MARKINGS
 +: RED DOT
 -: BLACK DOT
 AC: YELLOW DOT

DIM	INCHES		NOTE
	MIN	MAX	
	A	.43	
B	.66	.70	
C	.48	.52	
D	.23	.27	
E	.026	.033	DIA
F	.50	-	
G	.13	.17	

THERMAL CHARACTERISTICS

Operating and Storage Temperature.....-55°C TO +150°C