

RS3AB thru RS3MB

SURFACE MOUNT FAST RECOVERY GLASS PASSIVATED RECTIFIERS			REVERSE VOLTAGE - 50 to 1000 Volts FORWARD CURRENT - 3.0 Amperes						
					••••		••••		
 FEATURES ● Fast switching for high efficiency ● Low cost 					SN	ЛВ			
 Low cost Diffused junction Low reverse leakage current Low forward voltage drop High current capability The plastic material carries LIL recognition 94 	V 0							155(3.94) 130(3.30)	
 The plastic material carries UL recognition 94^o 	V-0		-		.185(.160(,		0 <u>12(.305)</u> 006(.152)	
			. <u>096(2.4</u> .084(2.1	14) 13)					
Case: Molded Plastic Palarity Calar hand denotes astheda			.060(1.5	521		-+		08(.203)	
Polarity:Color band denotes cathode			.030(0.		.220(5 59)		02(.051)	
●Weight: 0.003 ounces,0.093 grams			-	-					
Mounting position: Any					.200(5.06)			
 Mounting position: Any MAXIMUM RATINGS AND ELECTR Rating at 25°C ambient temperature unless othe 			ERISTI		ons in inc		(millimete	ers)	
MAXIMUM RATINGS AND ELECTR Rating at 25°C ambient temperature unless othe Single phase, half wave ,60Hz, resistive or induc For capacitive load, derate current by 20%	rwise specified	J.		CS	ons in inc	hes and			
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MAXIMUM RATINGS AND ELECTR Rating at 25°C ambient temperature unless othe Single phase, half wave ,60Hz, resistive or induc For capacitive load, derate current by 20% CHARACTERISTICS Maximum Recurrent Peak Reverse Voltage	rwise specified ctive load. SYMBOL VRRM	d. RS3AB 50	RS3BB 100	RS3DB 200	RS3GB	RS3JB	RS3KB 800	RS3MB 1000	V
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3. Thermal resistance junction to ambient.

RATING AND CHARACTERTIC CURVES RS3AB thru RS3MB

75

3.0

2.0

1.0

0

25

50

AVERAGE FORWARD CURRENT

AMPERES

HУ

FIG. 1 – FORWARD CURRENT DERATING CURVE

SINGLE PHASE HALF WAVE 60Hz

RESISTIVE OR INDUCTIVE LOAD

125

150

175

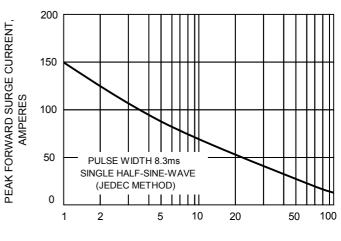


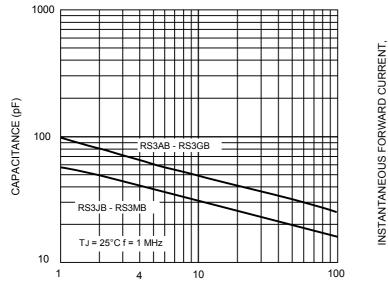
FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

NUMBER OF CYCLES AT 60Hz

FIG.3 – TYPICAL JUNCTION CAPACITANCE

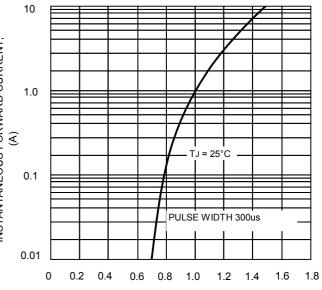
100

AMBIENT TEMPERATURE (℃)



REVERSE VOLTAGE , VOLTS

FIG.4-TYPICAL FORWARD CHARACTERISTICS



INSTANTANEOUS FORWARD VOLTAGE, VOLTS