

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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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

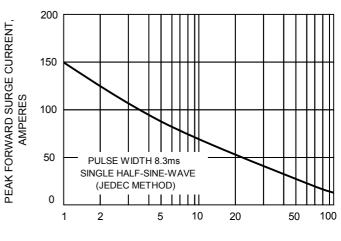


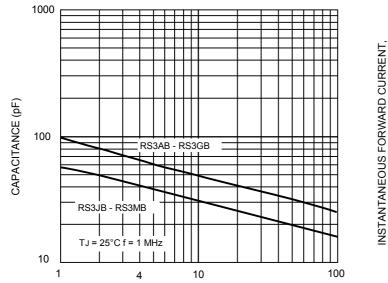
FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

NUMBER OF CYCLES AT 60Hz

FIG.3 – TYPICAL JUNCTION CAPACITANCE

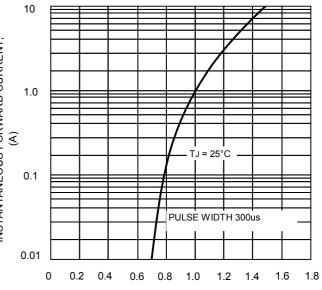
100

AMBIENT TEMPERATURE (℃)



REVERSE VOLTAGE , VOLTS

FIG.4-TYPICAL FORWARD CHARACTERISTICS



INSTANTANEOUS FORWARD VOLTAGE, VOLTS