

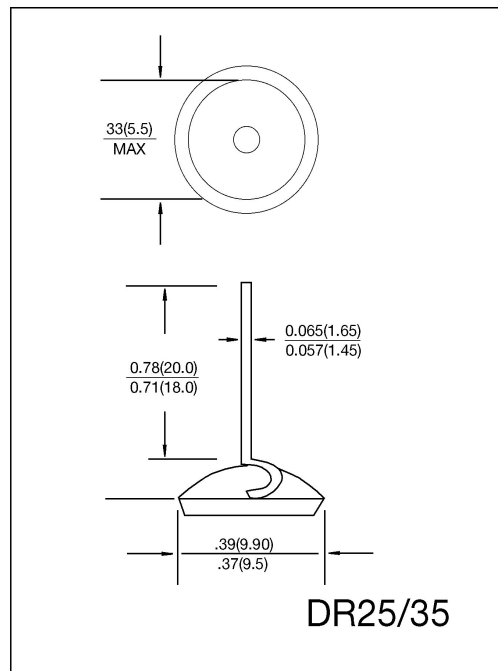
### AUTOMOTIVE RECTIFIER

#### FEATURES

- Low leakage
- Low forward voltage drop
- High current capability
- High forward surge current capability

#### MECHANICAL DATA

- Technology: vacuum soldered
- Case: Copper Case
- Silastic: UL94V - 0rate flame retardant
- Polarity: As marked of case bottom.
- Lead: Plated slug, solderable per MIL - STD 202 E method 208C
- Mounting position: Any
- Weight: 0.034 ounce, 0.96grams



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

- Ratings at 25°C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load.
- For capacitive load derate current by 20%

	SYMBOLS	DR251	DR252	DR253	DR254	DR256	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	100	200	300	400	600	Volts
Maximum RMS Voltage	$V_{RMS}$	70	140	210	200	420	Volts
Maximum DC Blocking Voltage	$V_{DC}$	100	200	300	400	600	Volts
Maximum Average Forward Rectified Current, at $T_C = 105^\circ C$	$I_{(AV)}$	25					Amps
Peak Forward Surge Current 8.3ms single half sine - wave superimposed on rated load (JEDEC method )	$I_{FSM}$	400					Amps
Rating for Fusing ( $t < 8.3ms$ )	$I^2t$	664					$A^2S$
Maximum Instantaneous Forward Voltage Drop at 80 A	$V_F$	1.15					Volts
Maximum DC Reverse Current at rated DC blocking voltage	$T_A = 25^\circ C$	5.0					$\mu A$
	$T_C = 100^\circ C$	350					
Typical Thermal Resistance at 0.5" (12.7) lead length (Note 1)	$R_{\theta JC}$	1					$^\circ C/W$
Operating and Storage Temperature Range	$T_J, T_{STG}$	(-65 to +175)					$^\circ C$

#### NOTES:

1. P.C.B. mounted