

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 - Orate flame retardant

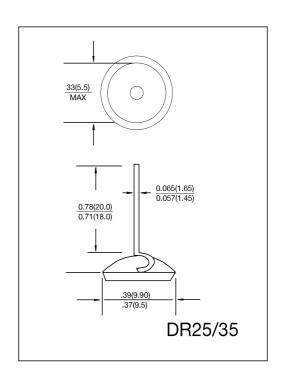
• Polarity: As marked of case bottom.

• 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	DR351	DR352	DR353	DR354	DR356	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 $T_C = 105^{\circ}C$	$I_{(AV)}$	35					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 $T_A = 25^{\circ}C$ DC blocking voltage $T_C = 100^{\circ}C$	I_R	5.0 350					μ A
Typical Thermal Resistance at 0.5" (12.7) lead length (Note 1	$R_{\theta JC}$	0.8					°C/W
Operating and Storage Temperature Range	T_J, T_{STG}	(-65 to +175)					$^{\circ}\!\mathbb{C}$

NOTES:

1. P.C.B. mounted