

Micro Electronic Instrument Inc.

AUTOMOTIVE RECTIFIER

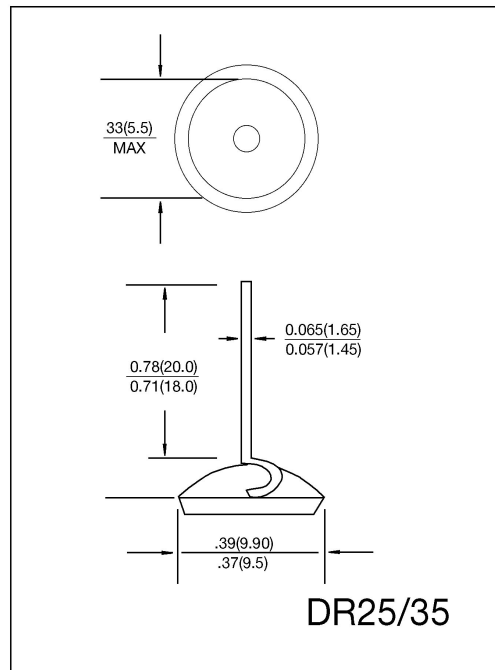
DR351 THRU DR356

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 - 0 rate 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°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 ² t	664					A ² S
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°C	I _R	5.0					μ A
	T _C = 100°C		350					
Typical Thermal Resistance at 0.5" (12.7) lead length (Note 1)		R _{θJC}	0.8					°C/W
Operating and Storage Temperature Range		T _J , T _{STG}	(-65 to +175)					°C

NOTES:

1. P.C.B. mounted