

Pb Free Plating Product

A35S thru A35R



35.0 Ampere Avalanche Rectifier Diodes for Car AC Alternators

Features:

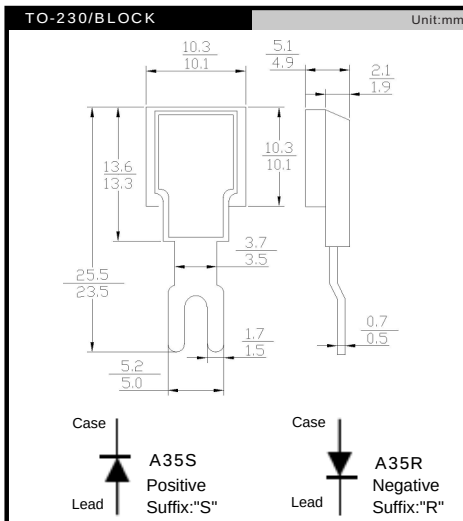
- ◆ Low leakage and high reliability
- ◆ Low forward voltage drop
- ◆ High current capability/Average Forward Current: $I_O=35A$.
- ◆ High forward surge current capability

Mechanical Data:

- ◆ Technology: Glass Passivation Pellet/Clip Bonding
- ◆ Case: Sintered temperature $< 260^{\circ}C$
- ◆ Polarity: As marked on body. (Note2)
- ◆ Lead: Plated lead, solderable per MIL-STD-202E method 208C
- ◆ Mounting: BLOCK/TO-230 package type

Application:

- ◆ Block Diode/Alternator Diode
- ◆ Stack Silicon Diffused Diode alternative
- ◆ Special for Car AC Alternator rectifier application

**ABSOLUTE MAXIMUM RATINGS**

Repetitive Peak Reverse Voltage	V_{RRM}	 16V
Operating Junction and Storage Temperature	T_j, T_{stg}	-55~ +150°C

ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}C$)

Characteristics	Symbol	Test Condition	Min	Typ.	Max.	Unit
Forward Voltage Drop	V_F	$I_F=100A$			1.05	V
Avalanche voltage range	V_B	$I_{Z1}=100mA$	22		25.5	V
Reverse Current	I_R	$V_{RRM}=16V$			0.5	μA
Voltage Difference	D_{VR}	I_{Z1}/I_{Z2} : 100mA/0.01mA			2.5	V