

Pb Free Plating Product

A35S thru A35R



35.0 Ampere Avalanche Rectifier Diodes for Car AC Alternators

Features:

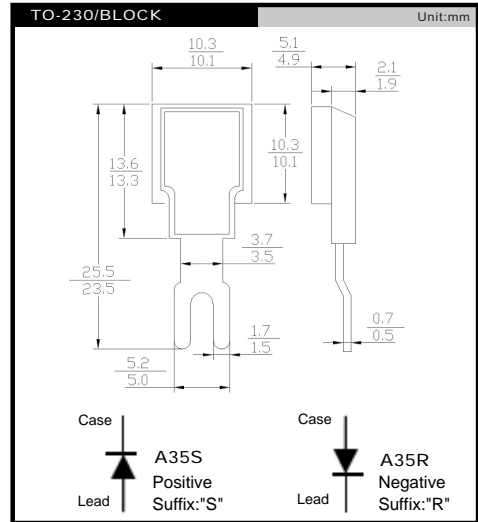
- ◆ Low leakage and high reliability
- ◆ Low forward voltage drop
- ◆ High current capability/Average Forward Current:IO=35A.
- ◆ High forward surge current capability

Mechanical Data:

- ◆ Technology: Glass Passivation Pellet/Clip Bonding
- ◆ Case: Sintered temperature < 260°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 (Ta=25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max.	Unit
Forward Voltage Drop	VF	IF=100A			1.05	V
Avalanche voltage range	VB	IZ1=100mA	22		25.5	V
Reverse Current	IR	$V_{RRM}=16V$			0.5	uA
Voltage Difference	DVR	IZ1/IZ2: 100mA/0.01mA			2.5	V