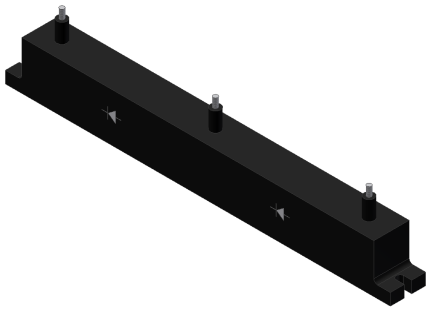
# 1N44A1

22 kV, 700 mA
High Voltage Doubler Rectifier

High Voltage Products. High Voltage Experts.

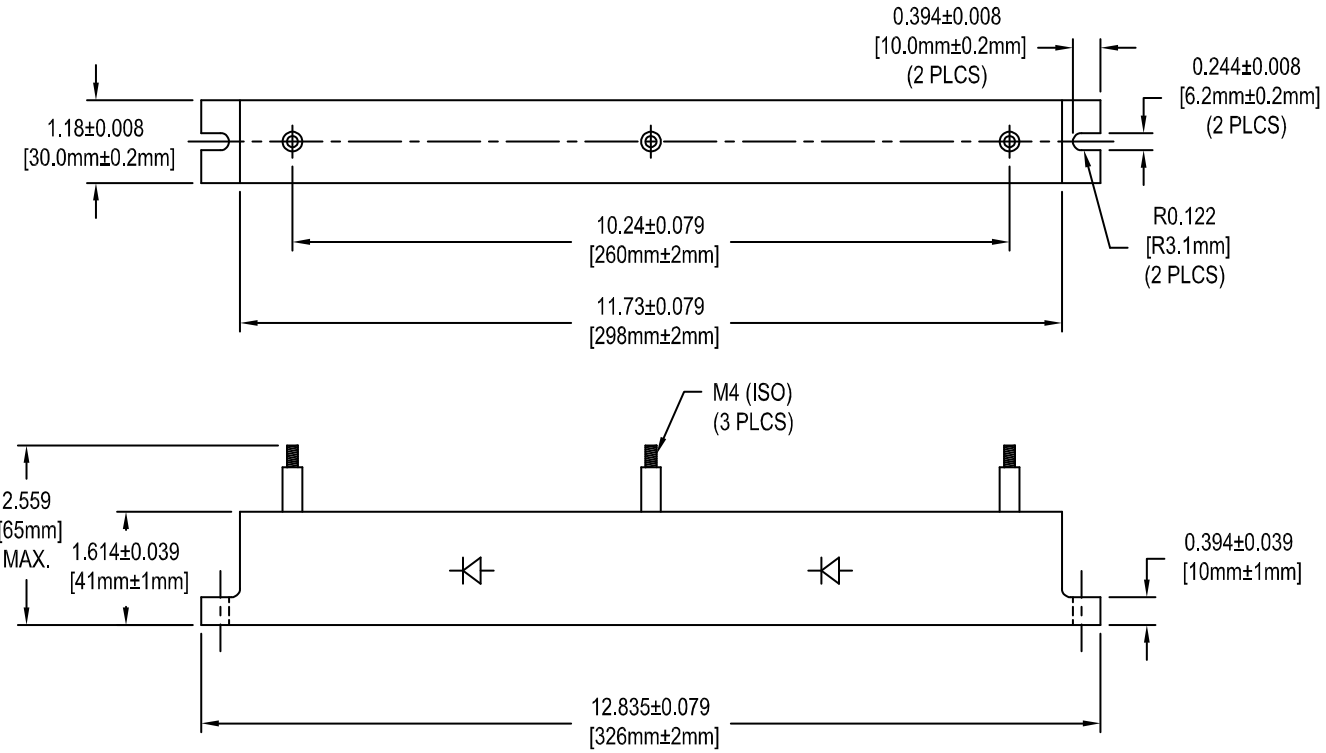
## Features

- Epoxy encapsulated 22 kV per leg rectifier
- Built with RoHS compliant materials



**Device Electrical Characteristics**
*( 25°C ambient temperature unless stated otherwise)*

| | Conditions | Symbol | Value |
|---|---|---|---|
| Maximum Repetitive Peak Reverse Voltage Per Leg (Center Terminal to Either End Terminal) | | $V_{RRM}$ | 22,000 Volts |
| Average Forward Current Maximum Per Leg | $T_A$ = 55°C | $I_{FAVM}$ | 700 mA |
| Maximum Forward Voltage Drop Per Leg | $I_F$ = 1.5 A | $V_F$ | 21 Volts |
| Maximum Reverse Current Per Leg | $V_R = V_{RRM}$ | $I_R$ | 400 µA |
| Maximum Surge Current | 8.3msec, Half Sine | $I_{FSM}$ | 60 Amps |
| Maximum Junction Temperature | - | $T_J$ | 150°C |
| Storage Temperature Range | - | $T_{STG}$ | -20°C to 150°C |




ALL DIMENSIONS ARE IN INCHES [mm]

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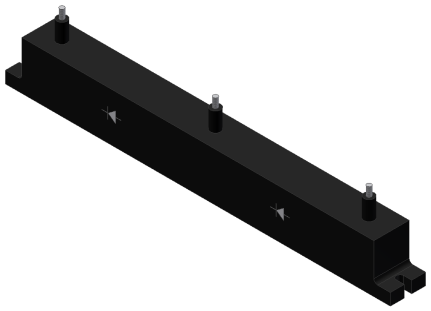
# 1N52A1

26 kV, 700 mA
High Voltage Doubler Rectifier

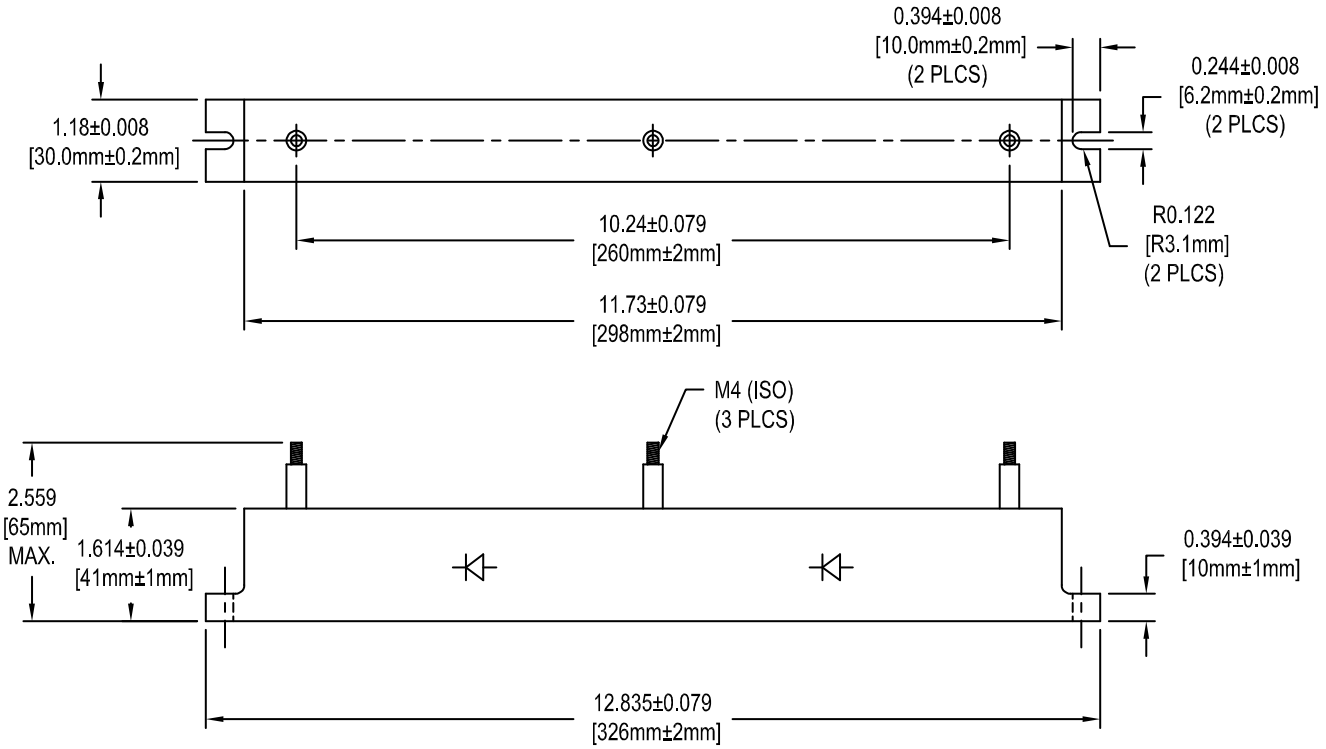
## Features

- Epoxy encapsulated 26 kV per leg rectifier
- Built with RoHS compliant materials



**Device Electrical Characteristics**
*( 25°C ambient temperature unless stated otherwise)*

| | Conditions | Symbol | Value |
|---|---|---|---|
| Maximum Repetitive Peak Reverse Voltage Per Leg (Center Terminal to Either End Terminal) | | $V_{RRM}$ | 26,000 Volts |
| Average Forward Current Maximum Per Leg | $T_A$ = 55°C | $I_{FAVM}$ | 700 mA |
| Maximum Forward Voltage Drop Per Leg | $I_F$ = 1.5 A | $V_F$ | 27 Volts |
| Maximum Reverse Current Per Leg | $V_R = V_{RRM}$ | $I_R$ | 400 µA |
| Maximum Surge Current | 8.3msec, Half Sine | $I_{FSM}$ | 60 Amps |
| Maximum Junction Temperature | - | $T_J$ | 150°C |
| Storage Temperature Range | - | $T_{STG}$ | -20°C to 150°C |




ALL DIMENSIONS ARE IN INCHES [mm]

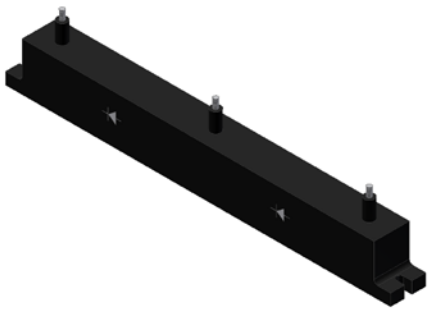
# 1N61A1

30 kV, 700 mA
High Voltage Doubler Rectifier

High Voltage Products. High Voltage Experts.

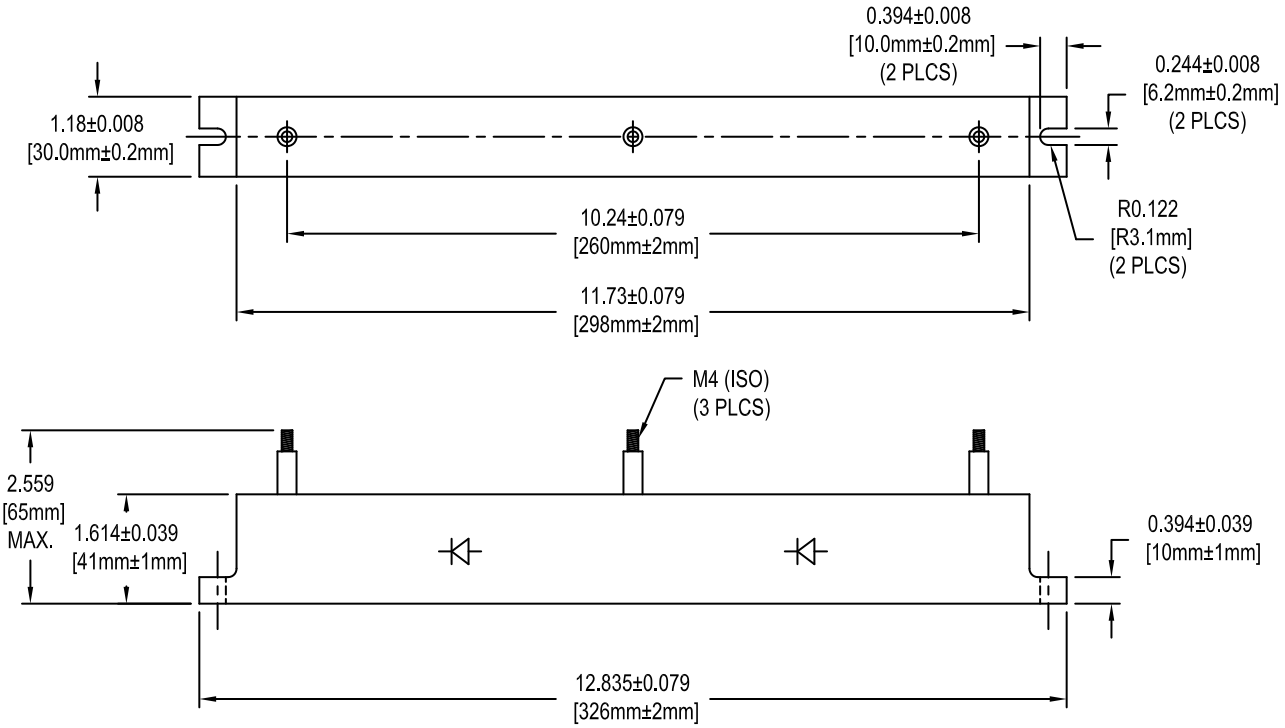
## Features

- Epoxy encapsulated 30 kV per leg rectifier
- Built with RoHS compliant materials



**Device Electrical Characteristics**
*( 25°C ambient temperature unless stated otherwise)*

| | Conditions | Symbol | Value |
|---|---|---|---|
| Maximum Repetitive Peak Reverse Voltage Per Leg (Center Terminal To Either End Terminal) | | $V_{RRM}$ | 30,000 Volts |
| Average Forward Current Maximum Per Leg | $T_A$ = 55°C | $I_{FAVM}$ | 700 mA |
| Maximum Forward Voltage Drop Per Leg | $I_F$ = 1.5 A | $V_F$ | 29 Volts |
| Maximum Reverse Current Per Leg | $V_R = V_{RRM}$ | $I_R$ | 400 µA |
| Maximum Surge Current | 8.3msec, Half Sine | $I_{FSM}$ | 60 Amps |
| Maximum Junction Temperature | - | $T_J$ | 150°C |
| Storage Temperature Range | - | $T_{STG}$ | -20°C to 150°C |




ALL DIMENSIONS ARE IN INCHES [mm]