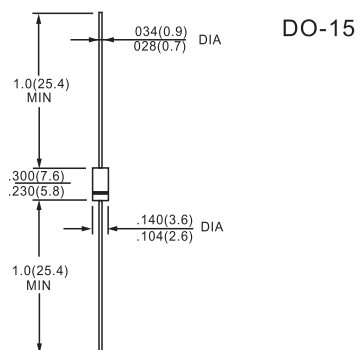




## FEATURES

- Repetitive Peak Reverse Voltage
- Average Forward Current
- Peak One Cycle Surge Forward Current



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

### MAXIMUM RATINGS

| CHARACTERISTIC                                       |         | SYMBOL      | RATING    | UNIT |
|------------------------------------------------------|---------|-------------|-----------|------|
| Repetitive Peak Reverse Voltage                      | 1R5BZ41 | $V_{RRM}$   | 100       | V    |
|                                                      | 1R5GZ41 |             | 400       |      |
| Average Forward Current                              |         | $I_{F(AV)}$ | 1.5       | A    |
| Peak One Cycle Surge Forward Current(Non-Repetitive) |         | $I_{FSM}$   | 150(50Hz) | A    |
|                                                      |         |             | 165(60Hz) |      |
| Junction Temperature                                 |         | $T_j$       | -40~150   | °C   |
| Storage Temperature Range                            |         | $T_{stg}$   | -40~150   | °C   |

### ELECTRICAL CHARACTERISTICS

| CHARACTERISTIC                           | SYMBOL        | TEST CONDITION           | MIN | TYPE | MAX  | UNIT |
|------------------------------------------|---------------|--------------------------|-----|------|------|------|
| Peak Forward Voltage                     | $V_{FM}$      | $I_{FM} = 0.5A$          | —   | —    | 0.95 | V    |
| Repetitive Peak Reverse Current          | $I_{RRM}$     | $V_{RRM} = \text{Rated}$ | —   | —    | 10   | uA   |
| Thermal Resistance (Junction to Ambient) | $R_{th(j a)}$ | DC                       | —   | —    | 90   | °C/W |



**TAYCHIPST**

GENERAL PURPOSE RECTIFIER APPLICATIONS

**1R5BZ41 , 1R5GZ41**

100V-400V

1.5A

**TESTING AND CHARACTERISTIC CURVES 1R5BZ41 ,1R5GZ41**

