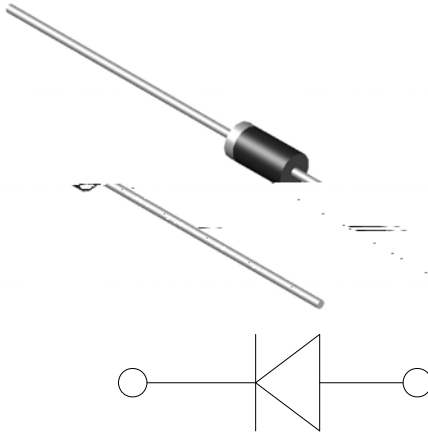


r



High efficiency
High current capability
High Reliability
High surge current capability
Glass passivated chip junction
Solder dip 275 °C max. 7 s, per JESD 22-B106

€ Ni•W (A

DO-204AC(DO-15)

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

: Tin plated leads, solderable per

| | | | | | | | | | | |
|---|-------------|----|-----|-----|-----|-----|-----|-----|-----|------|
| | V_{RRM} | V | 50 | 100 | 200 | 300 | 400 | 600 | 800 | 1000 |
| Maximum RMS Voltage | V_{RMS} | V | 35 | 70 | 140 | 210 | 280 | 420 | 560 | 700 |
| Maximum DC blocking Voltage | V_{DC} | V | 50 | 100 | 200 | 300 | 400 | 600 | 800 | 1000 |
| Average Forward Current @60Hz sine wave, Resistance load, $T_a=75$ | $I_{F(AV)}$ | A | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
| | $I_{F(AV)}$ | A | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 |
| | C_j | pF | 28 | 17 | 12 | | | | | |

$I_{F(AV)}$ @ Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C

| | | | | | | | | | | |
|---------------------|-----------|---|--|--|--|--|--|--|--|--|
| Storage Temperature | T_{stg} | m | | | | | | | | |
|---------------------|-----------|---|--|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|---|----------|---------|------------------------------------|-----|-----|-----|----|--|--|--|
| | | | | * | | | | | | |
| Maximum instantaneous forward voltage drop per diode | V_F | V | $I_{FM}=2.0A$ | 1.0 | 1.3 | 1.7 | | | | |
| Maximum DC reverse current at rated DC blocking voltage per diode | I_R | μA | $T_j=25$ | 2.5 | | | | | | |
| | | | $T_j=125$ | 100 | | | | | | |
| Maximum reverse recovery time | t_{rr} | ns | $I_F=0.5A, I_R=1.0A, I_{rr}=0.25A$ | 50 | | | 75 | | | |



