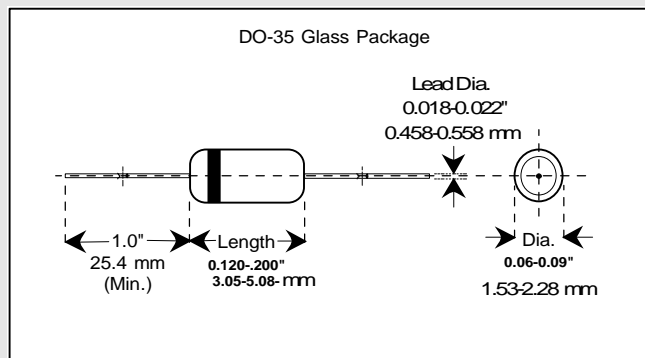


Applications

Used in general purpose applications, where a controlled forward characteristic and fast switching speed are important.

Features

- Six sigma quality
- Metallurgically bonded
- BKC's Sigma Bond™ plating for problem free solderability



| Maximum Ratings | Symbol | Value | Unit | |
|---|-------------------|-------------|---------|-------|
| Peak Inverse Voltage | PIV | 85 (Min). | Volts | |
| Average Rectified Current | I _{avg} | 200 | mAmps | |
| Continuous Forward Current | I _{Fdc} | 200 | mAmps | |
| Peak Surge Current (t _{peak} = 1 sec.) | I _{peak} | 1.0 | Amp | |
| BKC Power Dissipation T _L =50 °C, L = 3/8" from body | P _{tot} | 500 | mWatts | |
| Operating Temperature Range | T _{Op} | -65 to +200 | ° C | |
| Storage Temperature Range | T _{St} | -65 to +200 | ° C | |
| Electrical Characteristics @ 25 °C* | Symbol | Minimum | Maximum | Unit |
| Forward Voltage Drop @ I _F = 400 mA | V _F | *** | 1.10 | Volts |
| Breakdown Voltage @ I _R = 25 μA | PIV | 85 | | Volts |
| Reverse Leakage Current @ V _R = 50 V | I _R | | 100 | μA |
| Reverse Recovery time (note 1) | t _{rr} | | 10 | nSecs |

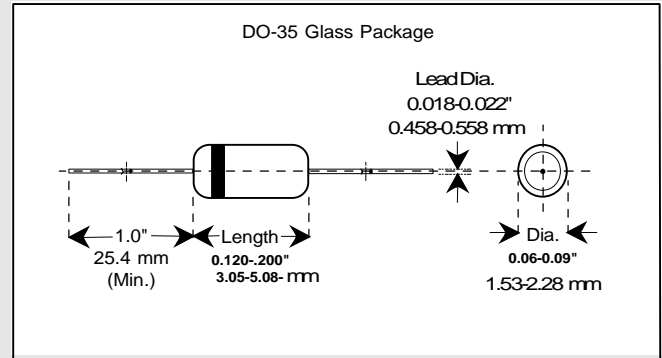
Note 1: Per Method 4031-A with I_F = 10 mA, V_r = 6 V, R_L = 100 Ohms. * UNLESS OTHERWISE SPECIFIED

Applications

Used in general purpose applications, where a controlled forward characteristic and fast switching speed are important.

Features

- Six sigma quality
- Metallurgically bonded
- BKC's Sigma Bond™ plating for problem free solderability



| Maximum Ratings | Symbol | Value | Unit | |
|---|------------|-------------|------------------|---------------|
| Peak Inverse Voltage | PIV | 85 (Min). | Volts | |
| Average Rectified Current | I_{avg} | 200 | mAmps | |
| Continuous Forward Current | I_{Fdc} | 500 | mAmps | |
| Peak Surge Current ($t_{peak} = 1 \text{ sec.}$) | I_{peak} | 1.0 | Amp | |
| BKC Power Dissipation $T_L = 50^\circ\text{C}$, $L = 3/8"$ from body | P_{tot} | 500 | mWatts | |
| Operating Temperature Range | T_{Op} | -65 to +150 | $^\circ\text{C}$ | |
| Storage Temperature Range | T_{St} | -65 to +150 | $^\circ\text{C}$ | |
| Electrical Characteristics @ 25 $^\circ\text{C}$ * | Symbol | Minimum | Maximum | Unit |
| Forward Voltage Drop @ $I_F = 400 \text{ mA}$ | V_F | *** | 1.10 | Volts |
| Breakdown Voltage @ $I_R = 25 \mu\text{A}$ | PIV | 85 | | Volts |
| Reverse Leakage Current @ $V_R = 50 \text{ V}$ | I_R | | 100 | μA |
| Reverse Recovery time (note 1) | t_{rr} | | 10 | nSecs |

Note 1: Per Method 4031-A with $I_F = 10 \text{ mA}$, $V_r = 6 \text{ V}$, $R_L = 100 \text{ Ohms}$. * UNLESS OTHERWISE SPECIFIED

Silicon Switching Diode



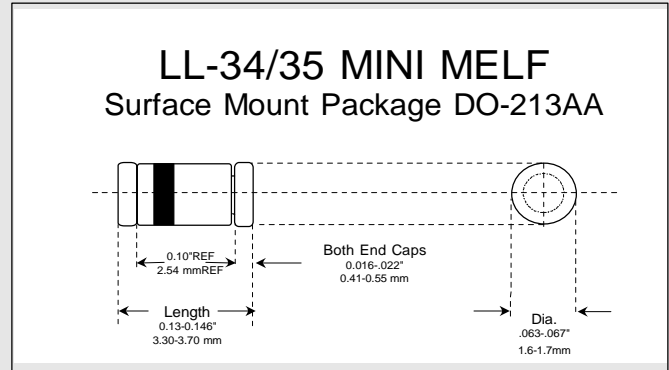
L-35 Glass Package

Applications

Used in general purpose applications, where a controlled forward characteristic and fast switching speed are important.

Features

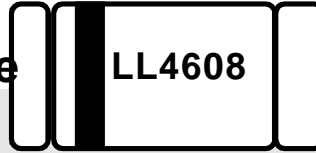
- Six sigma quality
- Metallurgically bonded
- BKC's Sigma Bond™ plating for problem free solderability



| Maximum Ratings | Symbol | Value | Unit | |
|---|-------------------|-------------|---------|-------|
| Peak Inverse Voltage | PIV | 85 (Min). | Volts | |
| Average Rectified Current | I _{avg} | 200 | mAmps | |
| Continuous Forward Current | I _{Fdc} | 200 | mAmps | |
| Peak Surge Current (t _{peak} = 1 sec.) | I _{peak} | 1.0 | Amp | |
| BKC Power Dissipation | P _{tot} | 500 | mWatts | |
| Operating Temperature Range | T _{Op} | -65 to +200 | °C | |
| Storage Temperature Range | T _{St} | -65 to +200 | °C | |
| Electrical Characteristics @ 25 °C* | Symbol | Minimum | Maximum | Unit |
| Forward Voltage Drop @ I _F = 400 mA | V _F | *** | 1.10 | Volts |
| Breakdown Voltage @ I _R = 25 μA | PIV | 85 | | Volts |
| Reverse Leakage Current @ V _R = 50 V | I _R | | 100 | μA |
| Reverse Recovery time (note 1) | t _{rr} | | 10 | nSecs |

Note 1: Per Method 4031-A with I_F = 10 mA, V_R = 6 V, R_L = 100 Ohms. * UNLESS OTHERWISE SPECIFIED

Silicon Switching Diode



LL4608

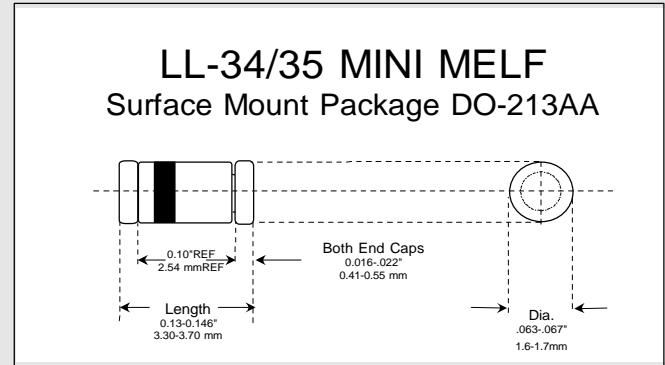
LL-35 Glass Package

Applications

Used in general purpose applications, where a controlled forward characteristic and fast switching speed are important.

Features

- Six sigma quality
- Metallurgically bonded
- BKC's Sigma Bond™ plating for problem free solderability



| Maximum Ratings | Symbol | Value | Unit | |
|---|-------------------|-------------|---------|-------|
| Peak Inverse Voltage | PIV | 85 (Min). | Volts | |
| Average Rectified Current | I _{avg} | 200 | mAmps | |
| Continuous Forward Current | I _{Fdc} | 500 | mAmps | |
| Peak Surge Current (t _{peak} = 1 sec.) | I _{peak} | 1.0 | Amp | |
| BKC Power Dissipation T _L =50 °C, L = 3/8" from body | P _{tot} | 500 | mWatts | |
| Operating Temperature Range | T _{Op} | -65 to +150 | °C | |
| Storage Temperature Range | T _{St} | -65 to +150 | °C | |
| Electrical Characteristics @ 25 °C* | Symbol | Minimum | Maximum | Unit |
| Forward Voltage Drop @ I _F = 400 mA | V _F | *** | 1.10 | Volts |
| Breakdown Voltage @ I _R = 25 µA | PIV | 85 | | Volts |
| Reverse Leakage Current @ V _R = 50 V | I _R | | 100 | µA |
| Reverse Recovery time (note 1) | t _{rr} | | 10 | nSecs |

Note 1: Per Method 4031-A with I_F = 10 mA, V_r = 6 V, R_L = 100 Ohms. * UNLESS OTHERWISE SPECIFIED



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