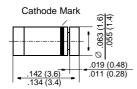
## LL41 Schottky Diodes

#### MiniMELE



Dimensions in inches and (millimeters)

#### FEATURES

- For general purpose applications.
- This diode features low turn-on voltage and high breakdown voltage. These devices are protected by a PN junction guard ring against excessive voltage, such as electrostatic discharges.
- This diode is also available in the DO-35 case with type designation BAT41.

#### **MECHANICAL DATA**

**Case:** MiniMELF Glass Case (SOD-80) **Weight:** approx. 0.05 g

#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

N		Unit V	
V <sub>RRM</sub>	100		
l <sub>F</sub>	100 <sup>1)</sup>	mA	
I <sub>FRM</sub>	350 <sup>1)</sup>	mA	
I <sub>SFM</sub>	750 <sup>1)</sup>	mA	
P <sub>tot</sub>	4001)	mW	
Тј	125	°C	
T <sub>amb</sub>	-65 to +125	°C	
T <sub>S</sub>	-65 to +150	°C	
	IFRM   ISFM   Ptot   Tj   Tamb	IFRM $350^{1}$ ISFM $750^{1}$ Ptot $400^{1}$ Tj $125$ Tamb $-65 \text{ to } +125$ TS $-65 \text{ to } +150$	



# LL41

### ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

Symbol	Min.	Тур.	Max.	Unit
V <sub>(BR)R</sub>	100	110	-	V
V <sub>F</sub> V <sub>F</sub>		0.40	0.45 1.0	V V
l <sub>R</sub> I <sub>R</sub>			100 20	nA μA
C <sub>tot</sub>	-	2	-	pF
t <sub>rr</sub>	-	5	-	ns
R <sub>thJA</sub>	_	_	300 <sup>1)</sup>	K/W
-	V <sub>F</sub> V <sub>F</sub> I <sub>R</sub> I <sub>R</sub> C <sub>tot</sub>	$\begin{array}{c c} V_{F} & - \\ V_{F} & - \\ \hline \\ I_{R} & - \\ \hline \\ C_{tot} & - \\ \hline \\ t_{rr} & - \\ \end{array}$	$\begin{array}{c c} V_{F} & - & 0.40 \\ V_{F} & - & - \\ I_{R} & - & - \\ I_{R} & - & - \\ C_{tot} & - & 2 \\ t_{rr} & - & 5 \end{array}$	VF   -   0.40   0.45     VF   -   -   1.0     IR   -   -   20     Ctot   -   2   - $t_{rr}$ -   5   -

