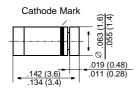
LL41 Schottky Diodes

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 _{RRM}	100		
l _F	100 ¹⁾	mA	
I _{FRM}	350 ¹⁾	mA	
I _{SFM}	750 ¹⁾	mA	
P _{tot}	4001)	mW	
Тј	125	°C	
T _{amb}	-65 to +125	°C	
T _S	-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 _{(BR)R}	100	110	-	V
V _F V _F		0.40	0.45 1.0	V V
l _R I _R			100 20	nA μA
C _{tot}	-	2	-	pF
t _{rr}	-	5	-	ns
R _{thJA}	_	_	300 ¹⁾	K/W
-	V _F V _F I _R I _R C _{tot}	$\begin{array}{c c} V_{F} & - \\ V_{F} & - \\ \hline \\ I_{R} & - \\ \hline \\ C_{tot} & - \\ \hline \\ t_{rr} & - \\ \end{array}$	$\begin{array}{c c} V_{F} & - & 0.40 \\ V_{F} & - & - \\ I_{R} & - & - \\ I_{R} & - & - \\ C_{tot} & - & 2 \\ t_{rr} & - & 5 \end{array}$	VF - 0.40 0.45 VF - - 1.0 IR - - 20 Ctot - 2 - t_{rr} - 5 -

