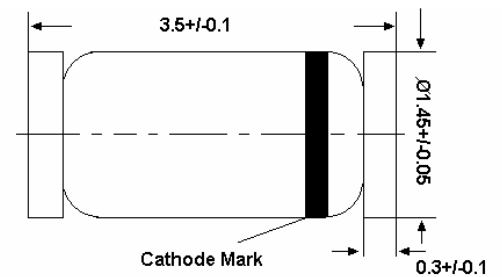


**SCHOTTKY BARRIER DIODE**
**Features**

- Low forward voltage.
- Guard ring protected.
- Hermetically-sealed leaded glass package.



**Glass case MiniMELF**  
**Dimensions in mm**

**Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )**

Parameter	Symbol	Limits	Unit
Continuous reverse voltage	$V_R$	30	V
Continuous forward current	$I_F$	200	mA
Average forward current	$I_{F(AV)}$	200	mA
Repetitive peak forward current	$I_{FRM}$	300	mA
Non-repetitive peak forward current	$I_{FSM}$	5	A
Operating ambient temperature	$T_{amb}$	-65 to +125	$^\circ\text{C}$
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature range	$T_S$	-65 to +150	$^\circ\text{C}$
Thermal resistance from junction to ambient	$R_{thja}$	320	K/W

**Characteristics at  $T_a = 25^\circ\text{C}$** 

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward voltage					
at $I_F = 0.1\text{mA}$	$V_F$	-	-	240	mV
at $I_F = 1\text{mA}$	$V_F$	-	-	320	mV
at $I_F = 10\text{mA}$	$V_F$	-	-	400	mV
at $I_F = 30\text{mA}$	$V_F$	-	-	500	mV
at $I_F = 100\text{mA}$	$V_F$	-	-	800	mV
Reverse current					
at $V_R = 25\text{V}$	$I_R$	-	-	2.3	$\mu\text{A}$
Reverse recovery time					
at $I_F = 10\text{mA}$ , $I_R = 10\text{mA}$ , $R_L = 100\Omega$	$t_{rr}$	-	-	4	ns

