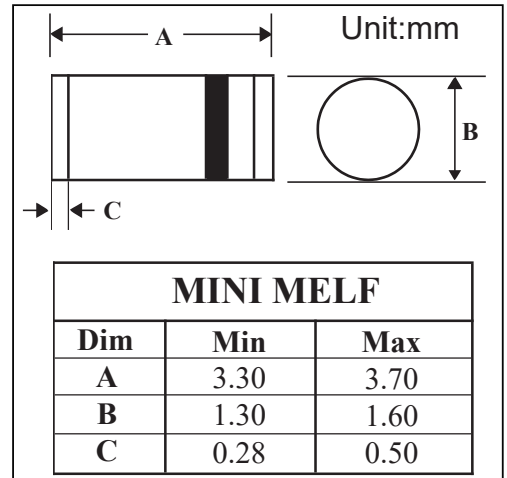


**SOD-80 Schottky Barrier Diodes**
**Features**

- \* Silicon Epitaxial Planar Diode
- \* Low Reverse Current and Low Forward Voltage
- \* Low Current Rectification and High Speed Switching
- \* High Reliability
- \* Used in Recorder, Radio, TV, Telephone as Detectors

**Mechanical Data**

- \* Case : MINI-MELF Glass Case (SOD-80)
- \* Polarity: Color Band Denotes cathode Band
- \* Weight : Approx 0.05 gram


**MAXIMUM RATINGS AND CHARACTERISTICS**

@ 25°C Ambient Temperature (unless otherwise noted)

Characteristic	Symbol	LL60	LL60P	Unit
Peperitive Peak Reverse Voltage	$V_{RRM}$	40	45	V
Non-Repetitive Peak Forward Surge Current @t=1S	$I_{FSM}$	150	500	mA
Forward Continuous Current, $T_A = 25^\circ C$	$I_F$	30	50	mA
Operating and Storage Temperature Range	$T_J, T_{STG}$	-65 to +125		°C

Characteristic	Symbol	Min	Tpy	Max	Unit		
Forward Voltage	$V_F$	-			V		
$I_F=1\text{ mA}$ LL60						0.32	0.5
LL60P						0.24	0.5
$I_F=30\text{ mA}$ LL60						0.65	1.0
$I_F=200\text{ mA}$ LL60P	-	0.65	1.0				
Rverse Current	$I_R$	-			uA		
$V_R=15\text{ V}$ LL60						0.1	0.5
LL60P	-	0.5	1.0				
Junction Capacitance	$C_j$	-			PF		
$V_R=1\text{ V}, f=1\text{ MHz}$ LL60						2.0	-
$V_R=10\text{ V}, f=1\text{ MHz}$ LL60P	-	6.0	-				
Reverse Recovery Time	$T_{rr}$	-	-	1.0	nS		
$I_F=I_R=1\text{ mA}, I_{rr}=1\text{ mA}, R_C=100\Omega$							

RATINGS AND CHARACTERISTIC CURVES

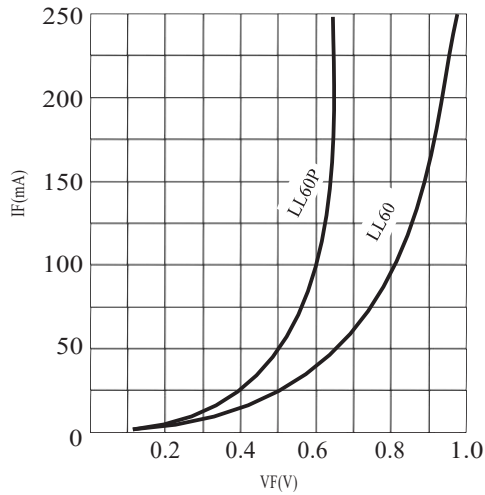


FIG.1 Forward Current vs. Forward Voltage

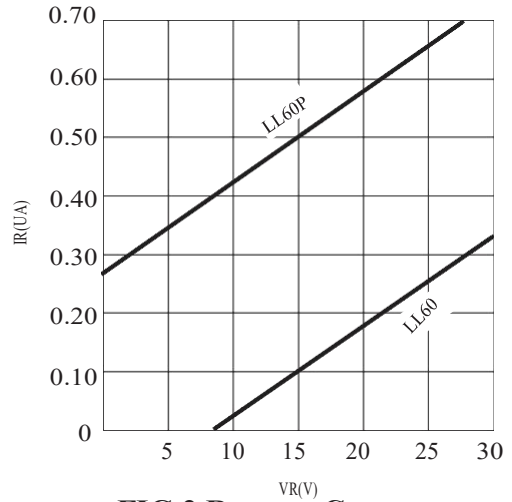


FIG.2 Reverse Current vs. Continuous Reverse Voltage

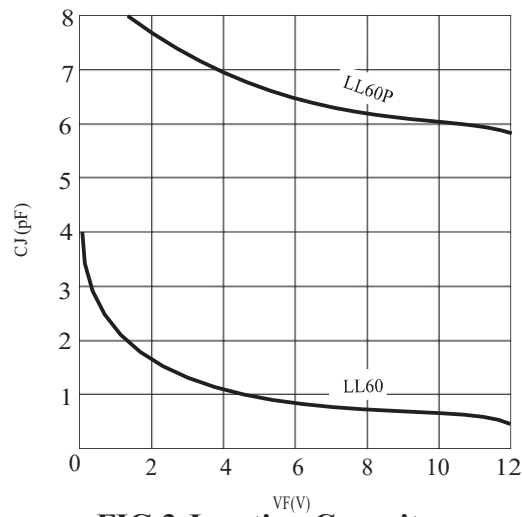


FIG.3 Junction Capacitance vs. Continuous Reverse Applied Voltage