

Electrical Characteristics

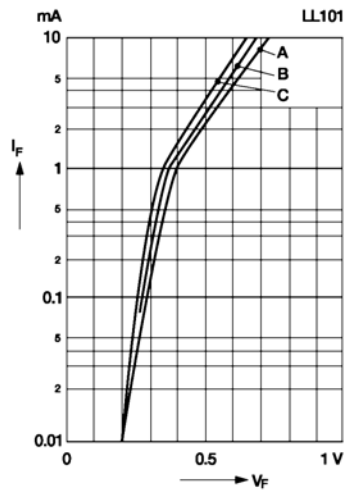
(T_j=25°C unless otherwise noted.)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit	
Reverse breakdown voltage	LL101A LL101B LL101C	$V_{(BR)R}$	$I_R=10\mu A$	60 50 40	- - -	Volts	
Leakage current	LL101A LL101B LL101C	I_R	$V_R=50V$	- - -	200 200 200	nA	
Forward voltage drop	LL101A LL101B LL101C	V_F	$I_F=1mA$	- - -	0.41 0.4 0.39	Volt	
			$I_F=15mA$	- - -	1.0 0.95 0.9	Volt	
Junction capacitance	LL101A LL101B LL101C	C_{tot}	$V_R=0V, f=1MHz$	- - -	2.0 2.1 2.2	pF	
Reverse recovery time		t_{rr}	$I_F=I_R=5mA,$ recover to $0.1I_R$	-	-	1	ns

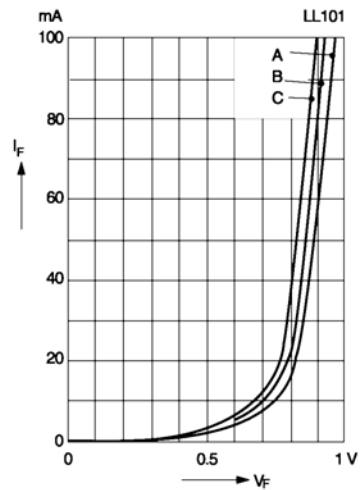
RATINGS AND CHARACTERISTIC CURVES

($T_A = 25^\circ\text{C}$ unless otherwise noted)

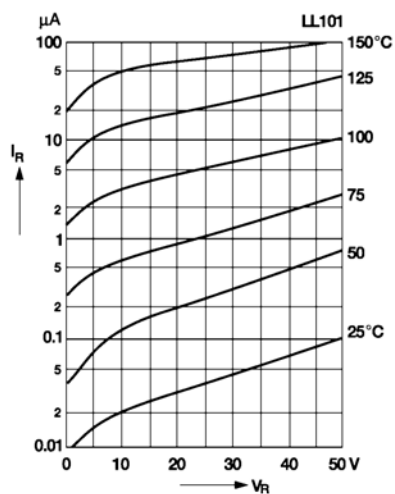
Typical variation of fwd. current vs. fwd. voltage for primary conduction through the Schottky barrier



Typical forward conduction curve of combination Schottky barrier and PN junction guard ring



Typical variation of reverse current at various temperatures



Typical capacitance curve as a function of reverse voltage

