

CLL4448

**HIGH SPEED
SWITCHING DIODE**



SOD-80 CASE

MAXIMUM RATINGS (TA=25°C)

Continuous Reverse Voltage	
Peak Repetitive Reverse Voltage	
Continuous Forward Current	
Peak Repetitive Forward Current	
Forward Surge Current, tp=1 μsec.	
Forward Surge Current, tp=1 sec.	
Power Dissipation	
Operating and Storage	
Junction Temperature	
Thermal Resistance	

SYMBOL	UNITS
V _R	V
V _{RRM}	V
I _F	mA
I _{FRM}	mA
I _{FSM}	mA
I _{FSM}	mA
P _D	mW
T _J , T _{stg}	°C
θ _{JA}	°C/W

ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V _{BR}	I _R =5.0μA	75		V
V _{BR}	I _R =100μA	100		V
I _R	V _R =20V		25	nA
V _F	I _F =5.0mA	0.62	0.72	V
V _F	I _F =100mA		1.0	V
C _T	V _R =0, f=1 MHz		4.0	pF
t _{rr}	I _R =I _F =10mA, R _L =100Ω, Rec. to 1.0mA		4.0	ns

All dimensions in inches (mm).

