

**youxLMSD103A/LMSD103B/LMSD103C****Absolute Maximum Ratings**

		Symbol	Value	Unit
Peak Repetitive Reverse Voltage	LMSD103A	V_{RRM}	40	V
	LMSD103B		30	
	LMSD103C		20	
Forward Continuous Current		I_{FM}	350	mA
RMS Reverse Voltage	LMSD103A	V_R	28	V
	LMSD103B		21	
	LMSD103C		14	
Repetitive Peak Forward Current @ $t \leq 1.0s$		I_{FRM}	1.0	A
Power Dissipation at $T_{amb}=25$		P_{tot}	400	mW
Storage Temperature Range		T_S	-65 to +175	

Cases: Micro Melf Molded Glass**Characteristics at $T_j=25$**

		Symbol	Min	Typ	Max	Unit
Forward Voltage	@ IF=20mA	V _F	-	-	0.37	V
	@ IF=200mA		-	-	0.6	
Maximum Peak Reverse Current						
LMSD103A at V _R =30V		I _R	-	-	5.0	μA
LMSD103A at V _R =30V		I _R	-	-	5.0	μA
LMSD103A at V _R =30V		I _R	-	-	5.0	μA
Junction Capacitance at V _F =V _R =0 f=1MHz		C _{tot}	-	50	-	pF
Reverse Recovery Time From I _F =-I _R =50mA to 200mA recover to 0.1I _R		t _{rr}	-	10	-	ns
Thermal Resistance Junction to Ambient Air		R _{thA}	-	0.25	-	K/mW