

**LQSD103A/LQSD103B/LQSD103C****Absolute Maximum Ratings**

		Symbol	Value	Unit
Peak Repetitive Reverse Voltage	LQSD103A	V_{RRM}	40	V
	LQSD103B		30	
	LQSD103C		20	
Forward Continuous Current		I_{FM}	350	mA
RMS Reverse Voltage	LQSD103A	V_R	28	V
	LQSD103B		21	
	LQSD103C		14	
Repetitive Peak Forward Current @ $t = 1.0s$		I_{FRM}	1.0	A
Power Dissipation at $T_{amb}=25$		P_{tot}	400	mW
Storage Temperature Range		T_S	-65 to +175	

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

		Symbol	Min	Typ	Max	Unit
Forward Voltage	@ $I_F=20mA$	V_F	-	-	0.37	V
	@ $I_F=200mA$		-	-	0.6	
Maximum Peak Reverse Current						
LQSD103A at $V_R=30V$		I_R	-	-	5.0	μA
LQSD103B at $V_R=30V$		I_R	-	-	5.0	μA
LQSD103C 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