



LED DISPLAYS:ELS-12101A/B SERIES

ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta=25°C)

Part No.	Emitted Color	Peak Wave Length	Epoxy Color	Surface Color	Common Electrode	$\Delta\lambda$ (nm)	If (mA)	Peak (mA)	Vf(V)		IV(mcd)	
									Segment	Dot	Min	Max
ELS-12101AS	Red	620-630	White	Black	Cathode	10	20	60	3.6-4.0	1.8-2.0	82	92
ELS-12101AO	Orange	600-610	White	Black	Cathode	10	20	60	3.6-4.0	1.8-2.0	85	95
ELS-12101AY	Yellow	585-595	White	Black	Cathode	10	20	60	3.6-4.0	1.8-2.0	88	98
ELS-12101AG	Olivine	565-575	White	Black	Cathode	10	20	60	3.6-4.0	1.8-2.0	10	20
ELS-12101AGG	Emerald	515-525	White	Black	Cathode	10	20	60	5.2-5.6	2.6-2.8	215	225
ELS-12101AB	Blue	460-470	White	Black	Cathode	10	20	60	5.2-5.6	2.6-2.8	15	25
ELS-12101AW	White	-	-	Black	Cathode	-	20	60	5.2-5.6	2.6-2.8	-	-
ELS-12101BS	Red	620-630	White	Black	Anode	10	20	60	3.6-4.0	1.8-2.0	82	92
ELS-12101BO	Orange	600-610	White	Black	Anode	10	20	60	3.6-4.0	1.8-2.0	85	95
ELS-12101BY	Yellow	585-595	White	Black	Anode	10	20	60	3.6-4.0	1.8-2.0	88	98
ELS-12101BG	Olivine	565-575	White	Black	Anode	10	20	60	3.6-4.0	1.8-2.0	10	20
ELS-12101BGG	Emerald	515-525	White	Black	Anode	10	20	60	5.2-5.6	2.6-2.8	215	225
ELS-12101BB	Blue	460-470	White	Black	Anode	10	20	60	5.2-5.6	2.6-2.8	15	25
ELS-12101BW	White	-	-	Black	Anode	-	20	60	5.2-5.6	2.6-2.8	-	-

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Reverse Voltage	Reverse Current (VR=5V)	Operating Temperature Range	Storage Temperature Range	Lead Soldering Temperature
5V	20 $\mu$ A	-35°C~+80°C	-45°C~+80°C	260°C For 3 Seconds

PACKAGE DIMENSION (Tolerance :  $\pm 0.2$ mm)

