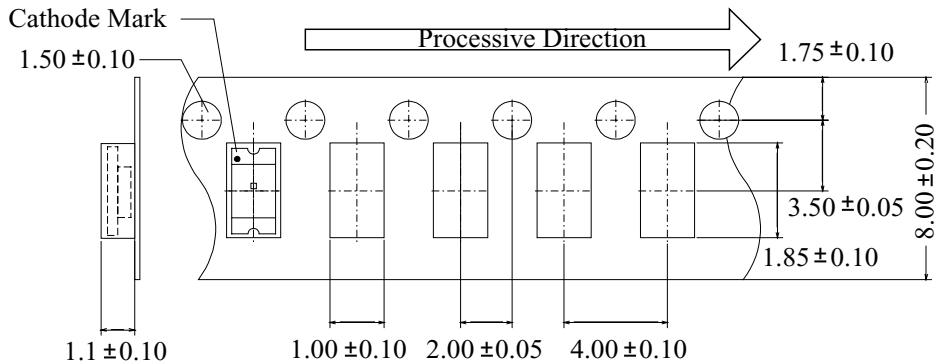
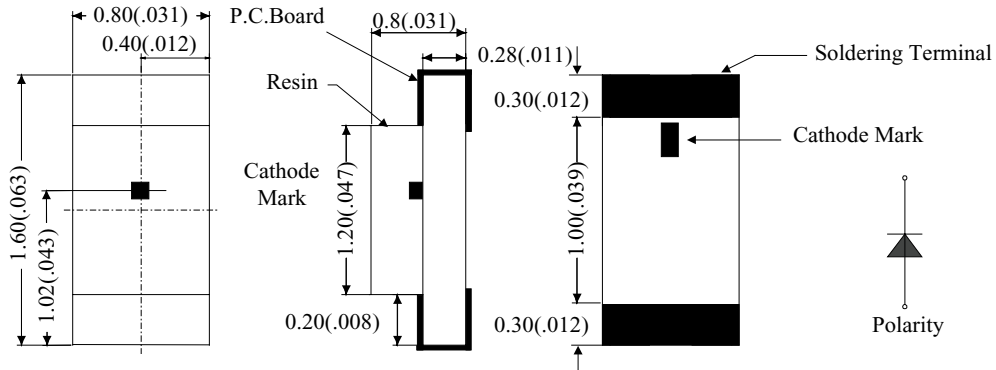


AZ Displays, Inc.

L-193XX-TR 1.6x0.8x0.8mm SMD LED (0603)

PACKAGE DIMENSIONS



Loaded quantity per reel: 4000 pcs/reel

Part No.	Chip		Lens Color	Wave Length p(nm)	Electro-Optical Characteristics			View Angle (deg)
	Raw Material	Emitted Color			Vf(V)20mA		lv(mcd)10mA	
					Typ.	Max.	Typ.	
L-193GW-TR	GaP	Green	White Diffused	565	2.1	2.8	13	140
L-193YW-TR	GaAsP/GaP	Yellow	White Diffused	585	2.0	2.8	8.0	140
L-193EW-TR	GaAsP/GaP	Hi.effi Red	White Diffused	635	2.0	2.8	13	140
L-193SRW-TR	GaAlAs	Super Red	White Diffused	660	1.7	2.4	20	140
L-193LRW-TR	GaAlAs	Super Red	White Diffused	660	1.7	2.4	40	140
L-193VEW-TR	GaAlInP	Super Orange	White Diffused	625	2.0	2.6	70	140
L-193SYW-TR	GaAlInP	Super Yellow	White Diffused	592	2.0	2.6	70	140
L-193VG1W-TR	GaAlInP	Super Green	White Diffused	565	2.2	2.6	45	140
L-193LB5W-TR	GaInN	Super Blue	White Diffused	470	4.0	4.5	25	140
L-193SPGW-TR	GaInN	Super Green	White Diffused	505	3.5	4.5	30	140
L-193LPG1W-TR	GaInN	Super Green	White Diffused	525	4.0	4.5	45	140

1.All dimension are in millimeters (inches).

2.Tolerance is ± 0.25 mm (0.01 ") unless otherwise specified.