

SMD (PCB) CHIP LED

0603 TYPE Electrical/Optical Characteristics at T_A=25°C

PART NUMBER	CHIP		LENS COLOR	IF = 20mA					
	MATERIAL	EMITTING COLOR		λ p (nm)	V_F (V)		I_V (mcd)		$2 \theta_{1/2}$
				TYP.	TYP.	MAX.	MIN.	TYP.	(Deg.)
LT8B22-190T	GaP	Green	W.D.	572	2.2	2.6	5.0	10.0	170
LT8B22-UR-190T	AlGaInP	UR Green	W.D.	573	2.2	2.8	15.0	30.0	170
LT8B32-190T	GaAsP	Yellow	W.D.	590	2.1	2.6	3.0	7.0	170
LT8B32-UR-190T	AlGaInP	UR Yellow	W.D.	593	2.1	2.8	25.0	45.0	170
LT8B42-190T	GaAsP	Orange	W.D.	630	2.1	2.6	3.0	8.0	170
LT8B42-UR-190T	AlGaInP	UR Orange	W.D.	632	2.1	2.8	25.0	45.0	170
LT8B12-UR-190T	AlGaInP	UR Red	W.D.	639	2.1	2.8	20.0	35.0	170
LT8B72-190T	GaAlAs	SB Red	W.D.	660	1.8	2.2	9.0	17.0	170
LT8B72-UR-190T	GaAlAs	UR Red	W.D.	660	1.8	2.2	12.0	25.0	170

0805 TYPE Electrical/Optical Characteristics at T_A=25°C

PART NUMBER	CHIP		LENS COLOR	IF = 20mA					
	MATERIAL	EMITTING COLOR		λ p (nm)	V _F (V)		I _V (mcd)		2 θ _{1/2}
				TYP.	TYP.	MAX.	MIN.	TYP.	(Deg.)
LT8B22-170T	GaP	Green	W.D.	572	2.2	2.6	5.0	10.0	170
LT8B22-UR-170T	AlGaInP	UR Green	W.D.	573	2.2	2.8	15.0	30.0	170
LT8B32-170T	GaAsP	Yellow	W.D.	590	2.1	2.6	3.0	7.0	170
LT8B32-UR-170T	AlGaInP	UR Yellow	W.D.	593	2.1	2.8	25.0	45.0	170
LT8B42-170T	GaAsP	Orange	W.D.	630	2.1	2.6	3.0	8.0	170
LT8B42-UR-170T	AlGaInP	UR Orange	W.D.	632	2.1	2.8	25.0	45.0	170
LT8B12-UR-170T	AlGaInP	UR Red	W.D.	639	2.1	2.8	20.0	35.0	170
LT8B72-170T	GaAlAs	SB Red	W.D.	660	1.8	2.2	9.0	17.0	170
LT8B72-UR-170T	GaAlAs	UR Red	W.D.	660	1.8	2.2	12.0	25.0	170

1206 TYPE Electrical/Optical Characteristics at T_A=25°C

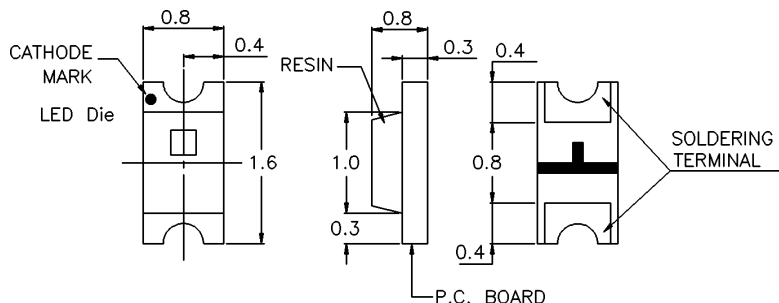
PART NUMBER	CHIP		LENS COLOR	IF = 20mA					
	MATERIAL	EMITTING COLOR		λ p (nm)	V_F (V)		I_V (mcd)		$2 \theta_{1/2}$ (Deg.)
				TYP.	TYP.	MAX.	MIN.	TYP.	
LT8B22-150T	GaP	Green	W.D.	572	2.2	2.6	5.0	10.0	170
LT8B22-UR-150T	AlGaInP	UR Green	W.D.	573	2.2	2.8	15.0	30.0	170
LT8B32-150T	GaAsP	Yellow	W.D.	590	2.1	2.6	3.0	7.0	170
LT8B32-UR-150T	AlGaInP	UR Yellow	W.D.	593	2.1	2.8	25.0	45.0	170
LT8B42-150T	GaAsP	Orange	W.D.	630	2.1	2.6	3.0	8.0	170
LT8B42-UR-150T	AlGaInP	UR Orange	W.D.	632	2.1	2.8	25.0	45.0	170
LT8B12-UR-150T	AlGaInP	UR Red	W.D.	639	2.1	2.8	20.0	35.0	170
LT8B72-150T	GaAlAs	SB Red	W.D.	660	1.8	2.2	9.0	17.0	170
LT8B72-UR-150T	GaAlAs	UR Red	W.D.	660	1.8	2.2	12.0	25.0	170

Ledatech **SMD (PCB) CHIP LED**

190T SMD 0603 TYPE

Package Outline Drawing :

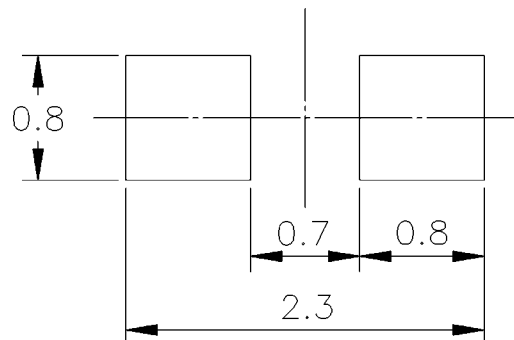
Unit : mm Tolerance : +/-0.1



1. Soldering terminal may shift in x, y direction.
2. Polarity referring onto the cathode mark/line is reversed on the SB/UR.

Recommended Soldering Pattern for Reflow Soldering :

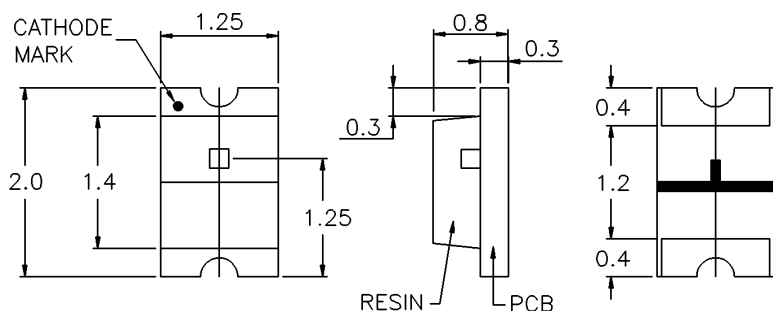
Unit : mm



170T SMD 0805 TYPE

Package Outline Drawing :

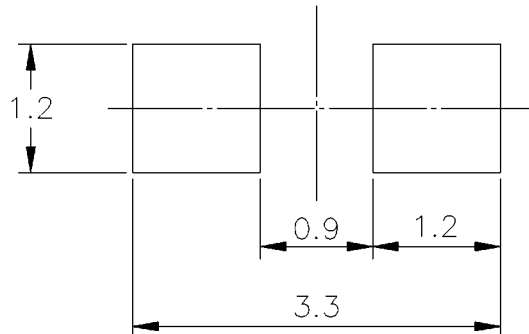
Unit : mm Tolerance : +/-0.1



1. Soldering terminal may shift in x, y direction.
2. Polarity referring onto the cathode mark/line is reversed on the SB/UR.

Recommended Soldering Pattern for Reflow Soldering :

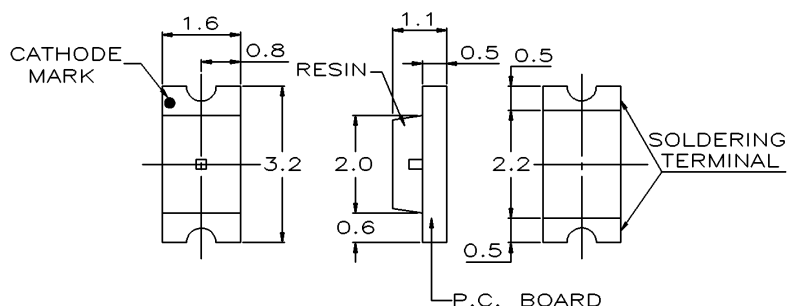
Unit : mm



150T SMD 1206 TYPE

Package Outline Drawing :

Unit : mm Tolerance : +/-0.1



1. Soldering terminal may shift in x, y direction.
2. Polarity referring onto the cathode mark/line is reversed on the SB/UR.

Recommended Soldering Pattern for Reflow Soldering :

Unit : mm

