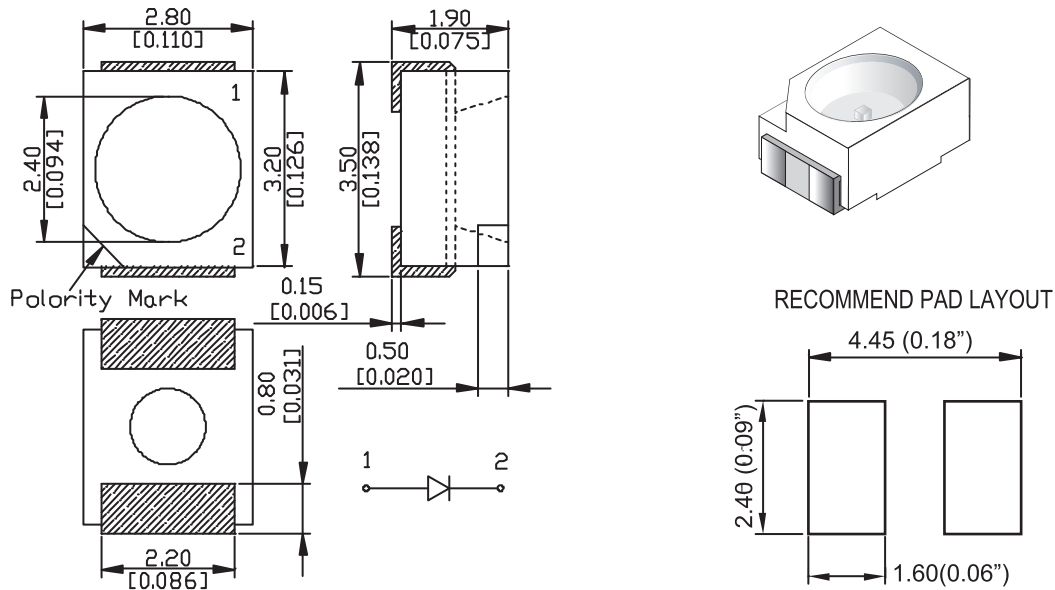
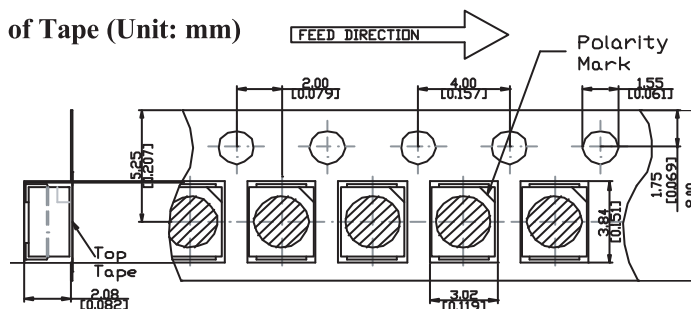


LBD 310 CC



Dimensions of Tape (Unit: mm)



Absolute maximum ratings($T_a=25\text{ C}$)

Parameter	Symbol	Value	Unit	Item	Materials
Forward current	I_f	30	mA	Resin	Epoxy
Reverse voltage	V_r	5	V	Bonding wire	25 μm Au
Power dissipation	P_d	81	mW	Lens color	Water transparent
Operating temperature range	T_{op}	$-20\sim+80$	C	Dice	GeP
Storage temperature range	T_{stg}	$-20\sim+80$	C	emitted color	Red
Peak pulsing current (1/8 duty $f=1\text{kHz}$)	I_{fp}	125	mA		

Electro-optical characteristics($T_a=25\text{ C}$)

Parameter	Test Condition	Symbol	Value			Unit
			Min	Typ	Max	
Wavelength at peak emission	$I_f=20\text{mA}$	peak	\	700	\	nm
Spectral half bandwidth	$I_f=20\text{mA}$		\	100	\	nm
Forward voltage	$I_f=20\text{mA}$	V_f	\	2.2	2.7	V
Luminous intensity	$I_f=20\text{mA}$	I_v	600	\	\	ucd
Viewing angle at 50% I_v	$I_f=10\text{mA}$	2O 1/2	\	120	\	Deg
Reverse current	$V_r=5\text{V}$	I_r	\	\	10	μA