

Features:

- ✧ Small Size (3.2 x 2.7 x 1.1mm)
- ✧ Industry Standard Footprint
- ✧ Compatible with IR Solder Process
- ✧ Available in 8 mm tape on 178 mm Diameter Reels
- ✧ Low Profile
- ✧ Several Colors Available

Applications:

- ✧ LCD backlighting
- ✧ Push-button / Keypad backlighting
- ✧ Symbol backlighting
- ✧ Strip lighting
- ✧ Automobile front panel indicating and backlighting
- ✧ Miniature Dot Matrix displays

Absolute Maximum Ratings at T_A = 25°C

Reverse Voltage (<100 μA)	AlGaInP & AlGaAs 4.0 V, Others 5.0V
D.C. Forward Current	30mA
Pulse Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100mA
Operating Temperature Range	-30°C To +80°C
Storage Temperature Range	-40°C To +85°C
Soldering Temperature	260°C For 5 Sec.

Electrical / Optical Characteristics at T_A = 25°C

Part Number	LED Chip		Lens Color	Peak WaveLength @20 mA (nm)	Forward Voltage @20mA (V)		Luminous Intensity @20mA Iv(mcd)		View Angle 2θ1/2(Deg)
	Material	Emitting Color			Typ.	Max.	Min.	Typ.	
GB-SM1210EVGW-TR	GaAsP	SB Orange	W.C.	642	2.1	2.6	5.0	10.0	170
	GaP	SB Green	W.C.	570	2.2	2.6	5.0	9.5	170
GB-SM1210URVGW-TR	AlGaAs	UB Red	W.C.	660	2.1	2.6	5.0	13.0	170
	GaP	SB Green	W.C.	570	2.2	2.6	5.0	9.5	170
GB-SM1210AVGW-TR	GaAsP	Amber	W.C.	610	1.9	2.6	4.0	8.0	170
	GaP	SB Green	W.C.	570	2.2	2.6	4.0	9.5	170
GB-SM1210YVGW-TR	GaAsP	SB Yellow	W.C.	590	1.9	2.6	5.0	10.0	170
	GaP	SB Green	W.C.	570	2.2	2.6	5.0	9.5	170

W.C. = WATER CLEAR

Package Outline And Tape Dimension
