

SMD LED

(GB-F3128 REFLECTOR TYPE)

Features:

- ✧ Package in 8mm tape on 7" diameter reels
- ✧ Compatible with automatic placement equipment
- ✧ Compatible with infrared and vapor phase reflow solder process.
- ✧ EIA STD package
- ✧ I.C. compatible

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Reverse Voltage ($<100\mu\text{A}$)	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 $+85^\circ\text{C}$
Storage Temperature Range	-40°C To $+85^\circ\text{C}$
Soldering Temperature	260°C For 5 Sec.

Applications:

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

Electrical / Optical Characteristics at $T_A = 25^\circ\text{C}$

Part Number	LED Chip		Lens Color	Peak WaveLength @20 mA (nm)	Forward Voltage @20mA (V)		Luminous Intensity @20mA Iv(mcd)		View Angle $2\theta_{1/2}(\text{Deg})$
	Material	Emitting Color			Typ.	Max.	Min.	Max.	
GB-F3128RS1C-TR	AlGaInP	Super Red	Water Clear	632	1.8	-----	70	-----	120
GB-F3128RS1T-TR	AlGaInP	Super Red	Red Transparent	632	1.8	-----	70	-----	120
GB-F3128UY1C-TR	AlGaInP	Super Yellow	Water Clear	590	1.9	-----	55	-----	120
GB-F3128UY1T-TR	AlGaInP	Super Yellow	Yellow Transparent	590	1.9	-----	55	-----	120
GB-F3128VGC-TR	GaP	Super Green	Water Clear	570	2.0	-----	20	-----	120
GB-F3128VGT-TR	GaP	Super Green	Green Transparent	570	2.0	-----	20	-----	120
GB-F3128UBC-TR	InGaIn	Super Blue	Water Clear	468	3.5	-----	90	-----	120
GB-F3128UBT-TR	InGaIn	Super Blue	Blue Transparent	468	3.5	-----	90	-----	120
GB-F3128UPGC-TR	InGaIn	True Green	Water Clear	525	3.5	-----	160	-----	120
GB-F3128UPGT-TR	InGaIn	True Green	Green Transparent	525	3.5	-----	160	-----	120
GB-F3128UWC	InGaIn	White	Yellow Diffused	X = 0.30, Y = 0.32	3.5	-----	150	-----	120

Package Outline And Tape Dimension

