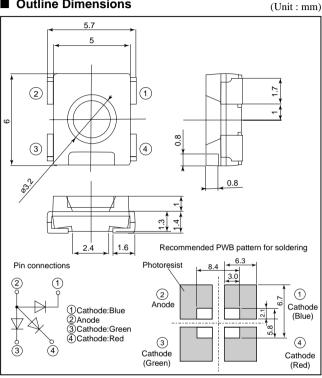
GM5WA02200A

(Under development)

6.0×5.0mm, 2.4mm Thickness, **RGB 3-Color Emission Superluminosity Chip LED**

■ Outline Dimensions



■ Absolute Maximum Ratings

(Ta=25°C)

Model No.	Emitting color	Material	P*1	I Ir	I _{FM} *2	Derating factor (mA/°C)		V_R	T_{opr}	Tstg	Tsol*3
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)
GM5WA02200A	Blue	InGaN on SiC	400	50	80	0.59	0.94	5	-55 to +110	-55 to +110	295
	Green	InGaN on SiC		50	80	0.59	0.94	5	-55 to +110	-55 to +110	295
	Red	AlGaInP on GaAs		50	80	0.59	0.94	5	-55 to +110	-55 to +110	295

^{*1} Within 400 mW at all chips are lightened.

■ Electro-optical Characteristics

(I_E=40 mA T₂=25°C)

(IF-40 IIIA, 13-23 C										
Lens type	Model No.	Radiation color	Forward voltage V _F (V) TYP	Peak emission wavelength λ _P (nm) ΤΥΡ	Dominant wavelength $\lambda_d(nm)$ TYP	Luminous intensity Iv(mcd) TYP	Spectrum radiation bandwidth Δλ(nm) TYP	Reverse Ir(µA) MAX	v _R (V)	
Colorless		Blue	4.5	(468)	(470)	(150)	(26)	100	4	
transparency	GM5WA02200A	Green	4.5	(518)	(525)	(500)	(35)	100	4	
1		Red	2.0	(647)	(635)	(300)	(18)	100	4	

^{*2} Duty ratio=1/10, Pulse width=0.1ms.

^{*3} For 3s or less at the temperature of hand soldering.

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- --- Industrial control
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- -- Consumer electronics
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