GM5YD01210A series

(Under development)

6050 Size, 2.4mm Thickness, Leadless Chip LED



Directive Characteristics



Absolute Maximum Ratings

■ Absolute Maximum Ratings (T _a =25°C)												
Model No.	Emitting color	Material	Power dissipation Forward cu P IF		t Peak forward current IFM ^{*1}	Derating factor (mA/°C)		Reverse voltage VR	Operating temperature Topr	Storage temperature T_{stg}		
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)	
GM5YJ01210A	Orange	AlGaInP on GaAs	320	100	120	1.18	1.41	5	-55 to +100	-55 to +100	295	
GM5YS01210A	Sunset orange	AlGaInP on GaAs	320	100	120	1.18	1.41	5	-55 to +100	-55 to +100	295	
GM5YV01210A	Amber	AlGaInP on GaAs	320	100	120	1.18	1.41	5	-55 to +100	-55 to +100	295	

*1 Duty ratio=1/10, Pulse width=0.1ms

*2 For 3s or less at the temperature of hand soldering.

Electro-optical Characteristics

Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength λ _P (nm)	Dominant wavelength λd(nm)	Luminous intensity Iv(mcd)	Spectrum radiation bandwidth $\Delta\lambda(nm)$	Reverse current $I_R(\mu A)$ V_R		Page for characteristics		
		TYP	MAX	TYP	TYP	TYP	TYP	MAX	(V)	diagrams		
Colorless	GM5YJ01210A	2.3	3.2	627	619	(1500)	18	100	4	64		
transparency	GM5YS01210A	2.3	3.2	616	606	(1700)	18	100	4	64		
	GM5YV01210A	2.3	3.2	592	589	(1300)	18	100	4	64		

$(I_F=90mA, T_a=25^{\circ}C)$

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Notice

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Note)Characteristics shown in diagrams are typical values. (not assurance value)

Ambient temperature Ta(°C)

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Forward current IF(mA)

Duty ratio DR

Taping Specifications

(Unit:mm)



 GM1135200A1 series
 6 000 pcs. /reel

 GM11355200A1 series
 5 000 pcs. /reel

 LT11367A series
 4 000 pcs. /reel

 LT11397A series
 5 000 pcs. /reel



LT1 90A series 3 000 pcs. / reel



GM5DD1200A series/GM5WA02200A/GM5WA06210A/ GM5WA06250A 800 pcs. / reel



GM10040300AE series/LT10040A series 4 000 pcs. /reel



GM5DD95200AD series/LT1ZD95A series 2 000 pcs. /reel



LT1DD45A series/GM4DC13300AC series 3 000 pcs. /reel

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Taping Specifications

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LT1 DG7A series/GM1WA80350A/GM1ZUB 80300A/GM1ZSG80300A $4\,000\ pcs.$ /reel



GM4DB1200AD series 4 000 pcs. /reel

■ Shape and dimension of reel





LT1DD90A series 3 000 pcs. / reel

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 Internet
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Taping Specifications

Lead type Chip LED (Unit : mm)



GM5DD03200Z series/GM5WA06200Z/GM5WA06250Z 1 000 pcs. (50 pcs./sleeve × 20)

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- Office automation equipment
- Telecommunication equipment [terminal]
- Test and measurement equipment
- Industrial control
- Audio visual equipment
- Consumer electronics

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- Traffic signals
- Gas leakage sensor breakers
- Alarm equipment
- Various safety devices, etc.

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- Telecommunication equipment [trunk lines]
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