GM5JD95200AE series

3528 Size, 1.9mm Thickness, Leadless Chip LED





Absolute Maximum Ratings

■ Absolute Maximum Ratings												
Model No.	Emitting color	Material	Power dissipation P	Forward current IF	Peak forward current I_{FM}^{*1}	Derating factor (mA/°C)		Reverse voltage VR	Operating temperature T_{opr}	Storage temperature T_{stg}	Soldering temperature ${{{\mathbf{T}}_{{{\mathrm{sol}}}}}^{*2}}$	
			(mW)	(mA)	(mA)	DC	Pulse	(V)	(°C)	(°C)	(°C)	
GM5JJ95200AE	Orange	AlGaInP on GaAs	65	25	30	0.50	0.60	5	-55 to +110	-55 to +110	295	
GM5JS95200AE	Sunset orange	AlGaInP on GaAs	65	25	30	0.50	0.60	5	-55 to +110	-55 to +110	295	
GM5JV95200AE	Amber	AlGaInP on GaAs	65	25	30	0.50	0.60	5	-55 to +110	-55 to +110	295	

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

*2 For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on page 2.

Electro-optical Characteristics

■ Electro-optical Characteristics (IF=20mA,Ta=25°C)												
Lens type	Model No.	Forward voltage $V_{r}(V)$		Peak emission wavelength	Dominant wavelength	Luminous intensity	Spectrum radiation bandwidth	Reverse current		Terminal capacitance		Page for
		TYP	MAX	$\lambda_{P}(nm)$ TYP	λd(nm) TYP	Iv(mcd) TYP	$\Delta\lambda(nm)$ TYP	Ir(µA) MAX	Vr (V)	Ct(pF) TYP	(MHz)	characteristics diagrams
Colorless - transparency-	GM5JJ95200AE	2.2	2.6	627	618	70	15	100	4	60	1	50
	GM5JS95200AE	2.2	2.6	609	605	90	15	100	4	60	1	51
	GM5JV95200AE	2.2	2.6	591	588	80	15	100	4	60	1	51

Notice

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GM1BC55200AC/GM1GC55200AC













GM5JJ95200AE













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

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GM5JV95200AE













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

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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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- --- Gas leakage sensor breakers
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- --- Various safety devices, etc.

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