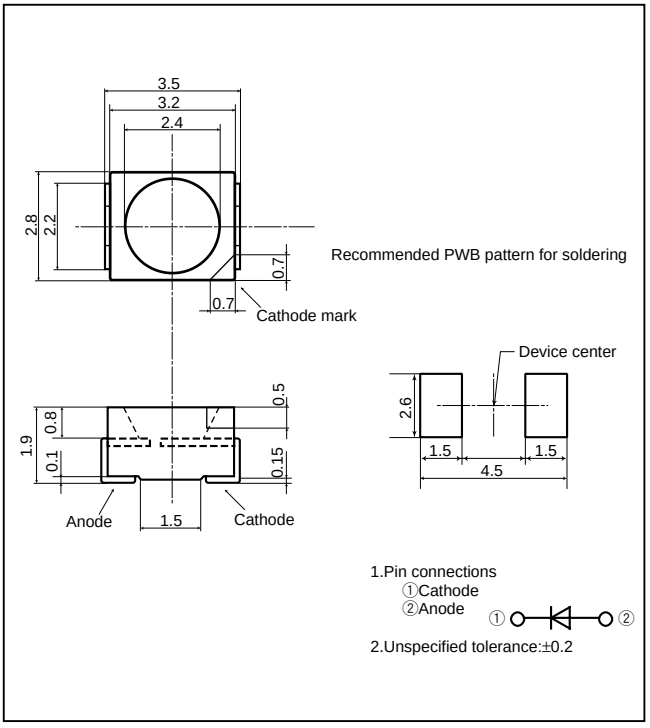
LT1Z❑95A series

3528 Size, 1.9mm Thickness, Leadless Chip LED

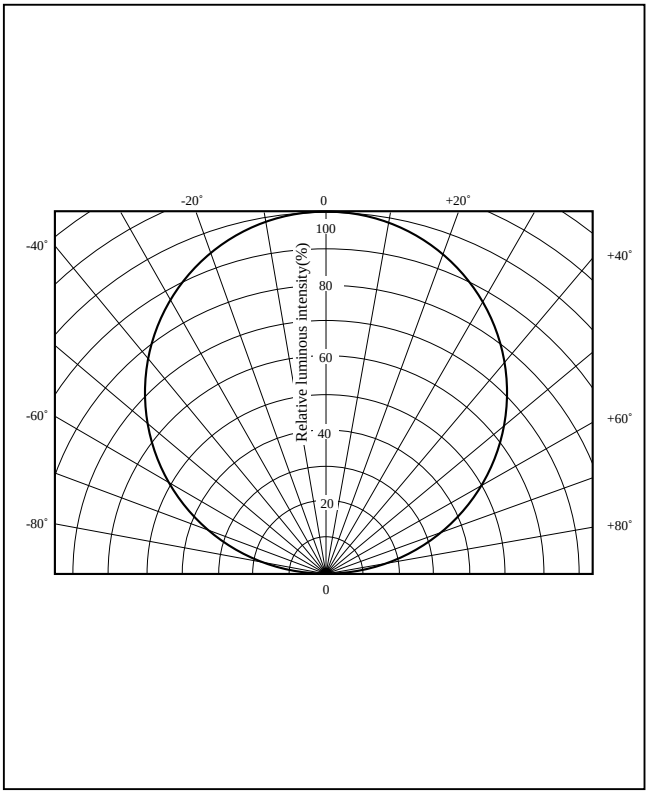
■ Outline Dimensions

(Unit : mm)



■ Directive Characteristics

(T_a=25˚C)



■ Absolute Maximum Ratings

(T_a=25˚C)

Model No.	Emitting color	Material	Power dissipation P (mW)	Forward current I_F (mA)	Peak forward current I_{FM}*1 (mA)	Derating factor (mA/˚C) DC	Derating factor (mA/˚C) Pulse	Reverse voltage V_R (V)	Operating temperature T_{opr} (˚C)	Storage temperature T_{stg} (˚C)	Soldering temperature T_{sol}*2 (˚C)
LT1ZR95A	Red	AlGaInP on GaAs	78	30	60	0.67	1.2	5	-55 to +110	-55 to +110	295
LT1ZJ95A	Orange	AlGaInP on GaAs	78	30	60	0.67	1.2	5	-55 to +110	-55 to +110	295
LT1ZS95A	Sunset orange	AlGaInP on GaAs	78	30	60	0.67	1.2	5	-55 to +110	-55 to +110	295
LT1ZV95A	Amber	AlGaInP on GaAs	78	30	60	0.67	1.2	5	-55 to +110	-55 to +110	295
LT1ZE95A	Yellow-green	AlGaInP on GaAs	78	30	60	0.67	1.2	5	-55 to +110	-55 to +110	295
LT1ZG95A	Green	AlGaInP on GaAs	78	30	60	0.67	1.2	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

(I_F=20mA,T_a=25˚C)

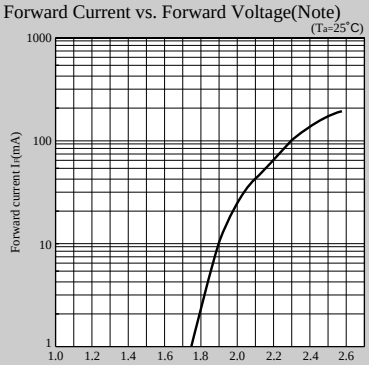
Lens type	Model No.	Forward voltage V_F(V) TYP	Forward voltage V_F(V) MAX	Peak emission wavelength λ_p(nm) TYP	Dominant wavelength λ_d(nm) TYP	Luminous intensity Iv(mcd) TYP	Reverse current I_R(μA) MAX	Reverse current V_R (V)	Terminal capacitance C_t(pF) TYP	Terminal capacitance (MHz)	Page for characteristics diagrams
Colorless transparency	LT1ZR95A	2.2	2.6	638	630	85	100	4	60	1	53
	LT1ZJ95A	2.2	2.6	627	618	200	100	4	60	1	53
	LT1ZS95A	2.2	2.6	609	605	290	100	4	60	1	53
	LT1ZV95A	2.2	2.6	591	588	170	100	4	60	1	53
	LT1ZE95A	2.2	2.6	570	570	45	100	4	60	1	53
	LT1ZG95A	2.2	2.6	560	560	15	100	4	60	1	53

Characteristics Diagrams

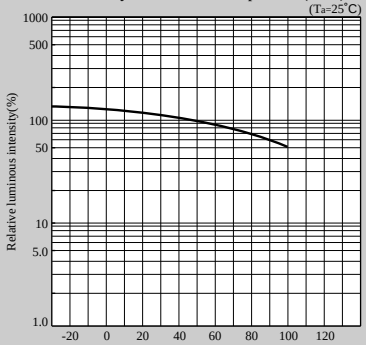
GM5Y❑01200A series

Forward Current Derating Curve

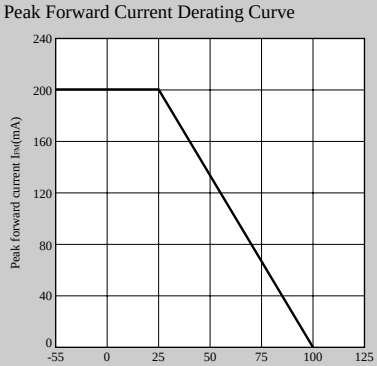
Forward Current vs. Forward Voltage(Note)



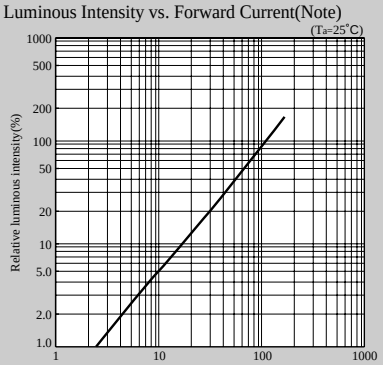
Luminous Intensity vs. Ambient Temperature(Note)



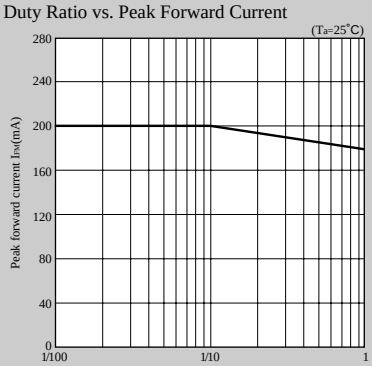
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)

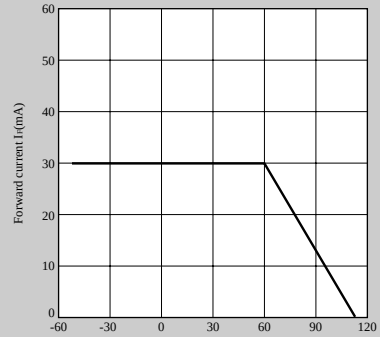


Duty Ratio vs. Peak Forward Current

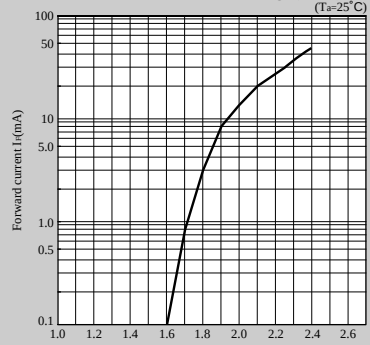


LT1Z❑95A series

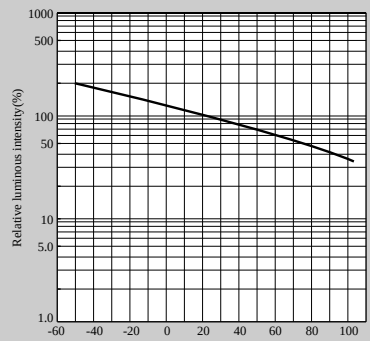
Forward Current Derating Curve



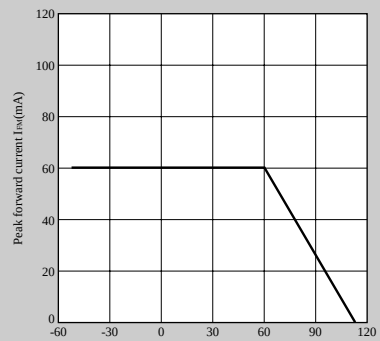
Forward Current vs. Forward Voltage(Note)



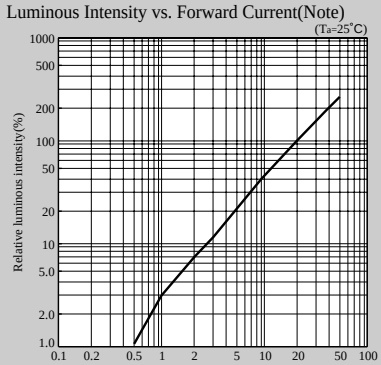
Luminous Intensity vs. Ambient Temperature(Note)



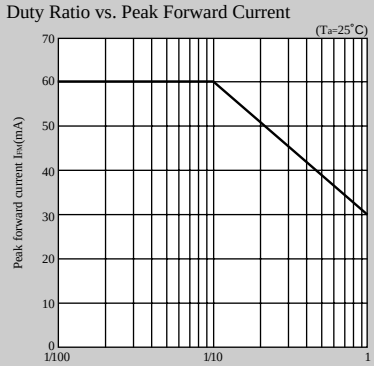
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



Duty Ratio vs. Peak Forward Current



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

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