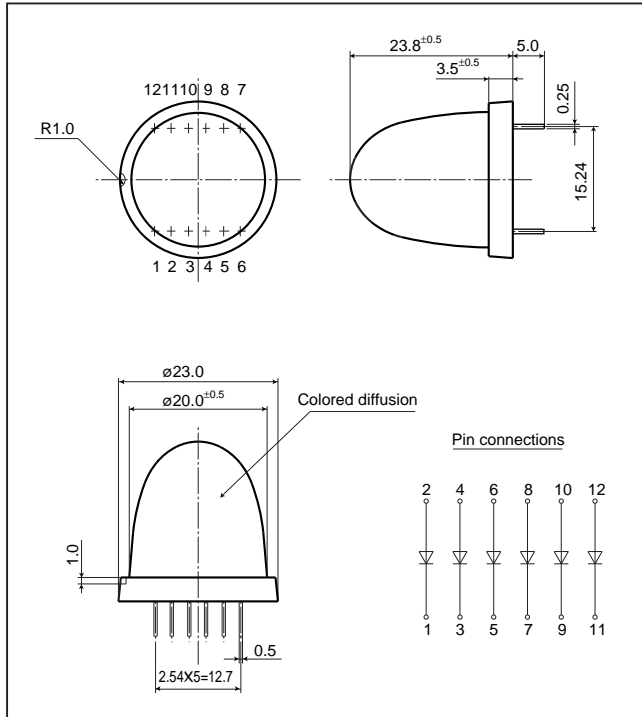


LT9526□ series

ø20mm, Dome Type, Colored Diffusion, High-luminosity, Large LED Lamps for Indoor Use

Outline Dimensions

(Unit : mm)



Absolute Maximum Ratings

(T_a=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P ^{*1} (mW)	Forward current I _F ^{*2} (mA)	Peak forward current I _{FM} ^{*2*3} (mA)	Derating factor (mA/°C) ^{*2}		Reverse voltage V _R ^{*2} (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)	Soldering temperature T _{sol} ^{*4} (°C)
						DC	Pulse				
LT9526D	Red	GaAsP on GaP	1 010	60	100	1.09	1.82	5	-25 to +70	-30 to +80	260
LT9526H	Yellow	GaAsP on GaP	1 010	60	100	1.09	1.82	5	-25 to +70	-30 to +80	260
LT9526E	Yellow-green	GaP	1 010	60	100	1.09	1.82	5	-25 to +70	-30 to +80	260

*1 Per chip

*2 Per lamp(6 chips/lamp)

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

*4 5s(At the position of 1.6mm or more from the bottom face of resin package)

Electro-optical Characteristics^{*5}

(T_a=25°C)

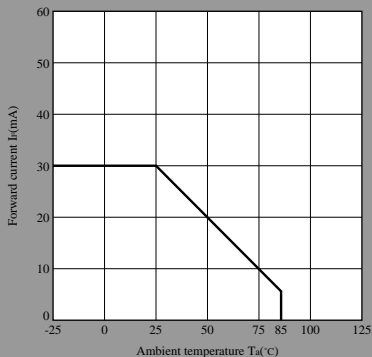
Lens type	Model No.	Forward voltage V _F (V)		Peak emission wavelength		Luminous intensity		Spectrum radiation bandwidth		Reverse current		Terminal capacitance		Page for characteristics diagrams
		TYP	MAX	λ _p (nm) TYP	I _F (mA)	I _v (mcd) TYP	I _F (mA)	Δλ(nm) TYP	I _F (mA)	I _R (μA) MAX	V _R (V)	C _t (pF) TYP	(MHz)	
Colored diffusion	LT9526D	2.0	2.8	635	40	250	40	35	40	10	4	30	1	→
	LT9526H	2.0	2.8	585	40	250	40	35	40	10	4	30	1	→
	LT9526E	2.2	2.8	565	40	250	40	30	40	10	4	30	1	→

*5 Per chip

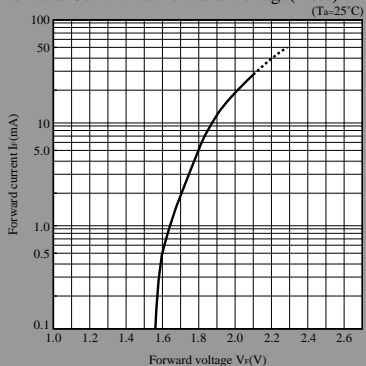
*6 Luminous intensity per lamp at I_F=40mA/chip(6 chips/lamp)

HD series

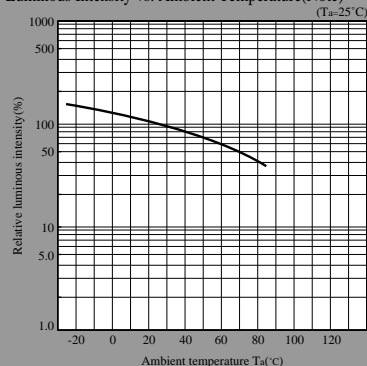
Forward Current Derating Curve



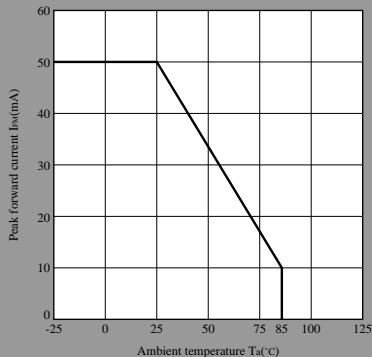
Forward Current vs. Forward Voltage(Note)



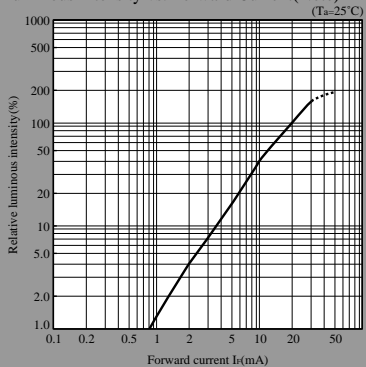
Luminous Intensity vs. Ambient Temperature(Note)



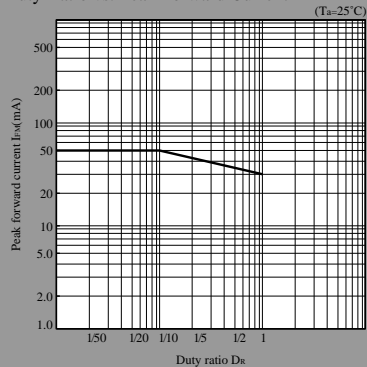
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



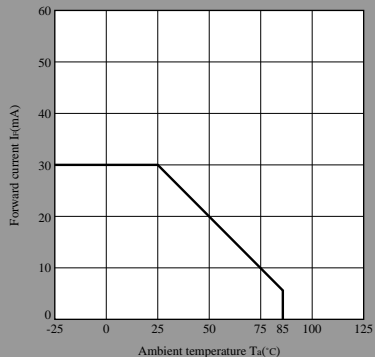
Duty Ratio vs. Peak Forward Current



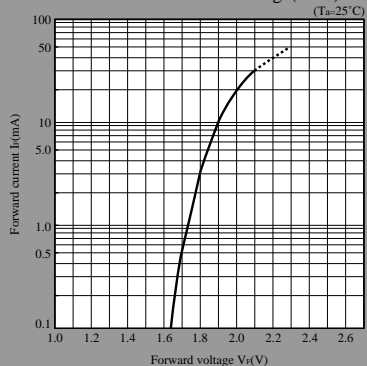
Note) Characteristics shown in diagrams are typical values. (not assurance value)

HY series

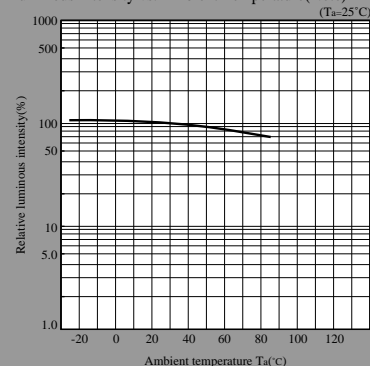
Forward Current Derating Curve



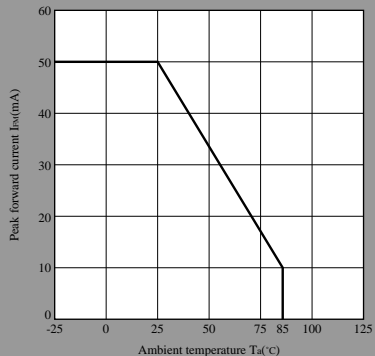
Forward Current vs. Forward Voltage(Note)



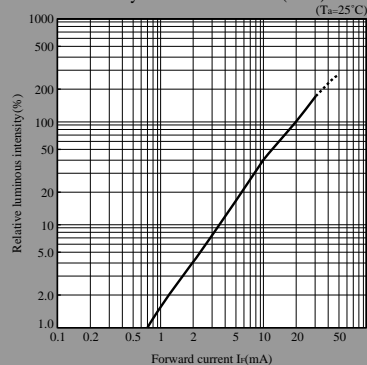
Luminous Intensity vs. Ambient Temperature(Note)



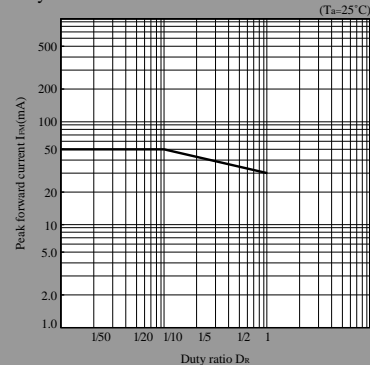
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



Duty Ratio vs. Peak Forward Current



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

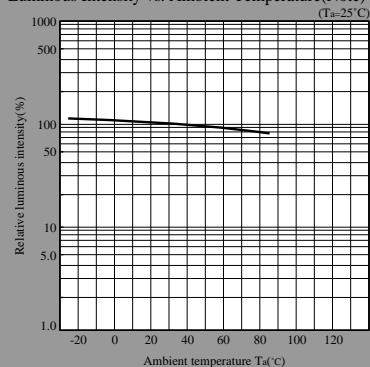
Forward Current Derating Curve



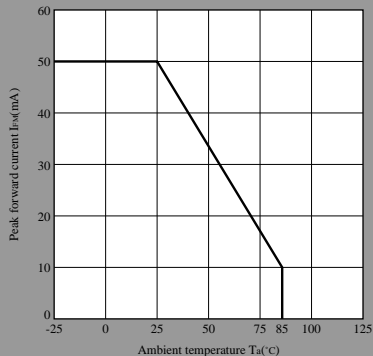
Forward Current vs. Forward Voltage(Note)



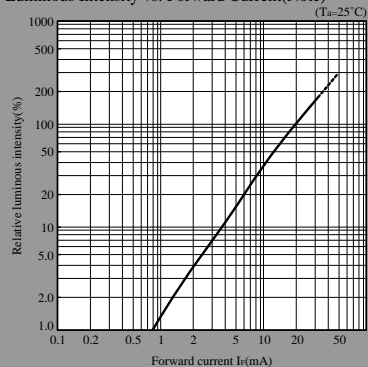
Luminous Intensity vs. Ambient Temperature(Note)



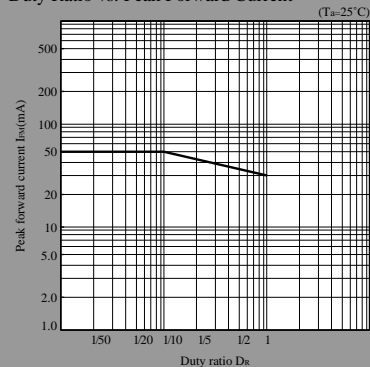
Peak Forward Current Derating Curve



Luminous Intensity vs. Forward Current(Note)



Duty Ratio vs. Peak Forward Current



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