Dual-Color Type ϕ 3.1 Circular Type LED Lamps

SPR-39 Series

Shape	Emitting Surface Dimension (mm)	Green	Red			
		GaP	GaAsP on GaP			
		563nm	650nm			
Circular Type	¢ 3.1	SPR-3	SPR-39MVW			

■ Absolute Maximum Ratings (Ta=25°C)

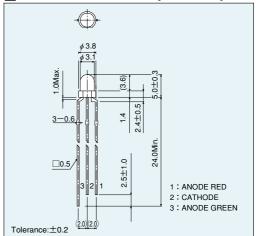
Part No.	Emitting color	Power dissipation Pp (mW)			Reverse voltage VR (V)		Stotage temperature Tstg (°C)	
SPR-39MVW	Green	75	25	60	3	-25 to +85	-30 to +100	
	Red	60	20	00		-25 10 +65		

* IFP measured under duty ${\leq}1/$ 5,pulse width ${\leq}1\text{ms.}$

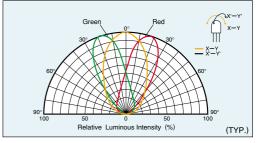
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage VF		Reverse current In		Light wavelength Peak Half-wave $\lambda p \qquad \Delta \lambda$			Brightness Iv		
		Тур. (V)	lF (mA)	Max. (μA)	Vr (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	l⊧ (mA)
SPR-39MVW	Milky White	2.1	10	10	3	563	40	10	3.6	10	10
		2.0				650			2.2	6.3	

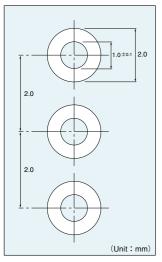
External Dimensions (Unit : mm)

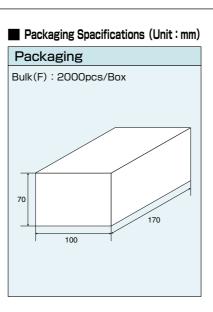


Directivity



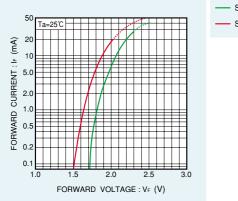
Recommemded Pad Layout





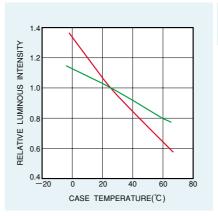
Electrical Characteristic Curves

Forward Current - Forward Voltage



SPR-39MVW (Green)
SPR-39MVW (Red)

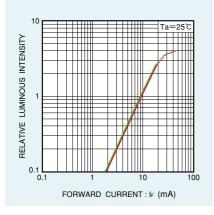
Relative Luminous Intensity - Case Temperature



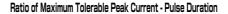
- SPR-39MVW (Green)

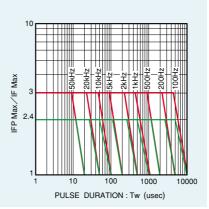
- SPR-39MVW (Red)

Relative Luminous Intensity - Forward Current



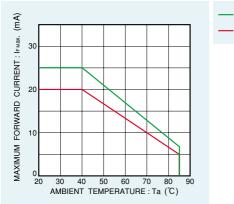
- SPR-39MVW (Green) - SPR-39MVW (Red)





- SPR-39MVW (Red)

Derating



SPR-39MVW (Green)
SPR-39MVW (Red)

Notes

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