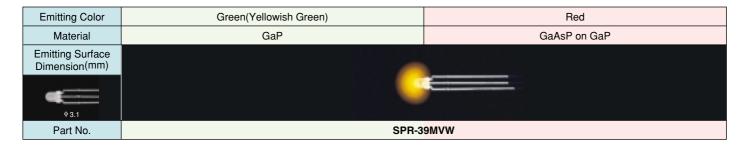
Dual-Color ϕ 3.1(T-1) Circular Type Standard Type <Viewing Angle 2θ 1/2 : 35° >





SPR-39 Series



■ Absolute Maximum Ratings (Ta=25°C)

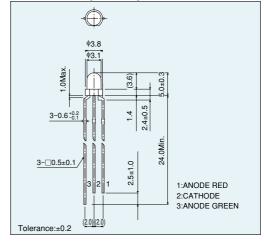
Part No.	Emitting color	Power dissipation Po (mW)	Forward current IF (mA)	Peak forward current *IFP (mA)	Reverse voltage V _R (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)	
SPR-39MVW	Green (Yellowish Green)	75	25	60	3	-25 to +85	-30 to +100	
SEN-SHIM M	Red	60	20	60	3	-23 (0 +83		

^{*:}Duty ≦1/5, pulse width ≦1ms.

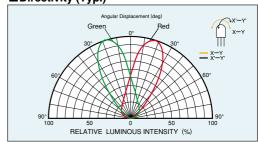
■ Electrical Optical Characteristics (Ta=25°C)

	Part No.	Resin Color	Forward voltage V _F		Reverse current IR		Light wavelength Peak Half-wave λρ Δλ			Brightness Iv		
			Typ.	lF (mA)	Max. (μ A)	VR (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (mA)
SF	SPR-39MVW	Milky White	2.1	10	100	3	563	40 10	3.6	10	10	
	3F N-39101 V W		2.0				650		10	2.2	6.3	10

■Dimensions (Unit:mm)



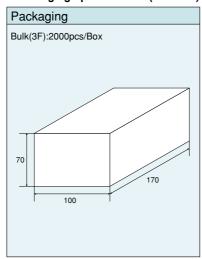
■Directivity (Typ.)



■ Recommended Pad Layout

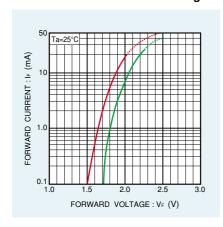
2.0 1.5 (Unit:mm)

■ Packaging Specifications (Unit:mm)



■Electrical Characteristic Curves

Forward Current - Forward Voltage



Relative Luminous Intensity - Case Temperature

SPR-39MVW <Green>

SPR-39MVW <Green>

SPR-39MVW <Red>

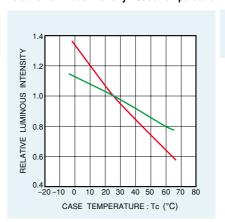
SPR-39MVW <Red>

SPR-39MVW <Green>

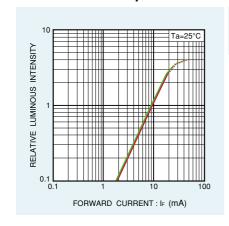
SPR-39MVW <Red>

SPR-39MVW <Green>

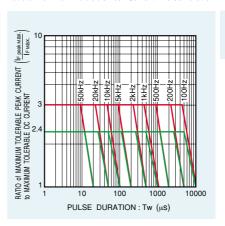
SPR-39MVW <Red>



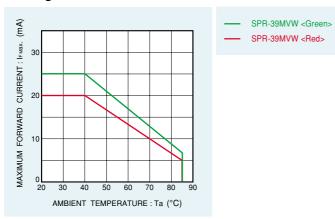
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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