

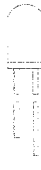






Case	Type	Emitting-Colour + Material	Wave Length λ_{peak} (nm)	Case-colour	Luminous Intensity ($V_F = 9V$) mcd		Full Viewing angle	Dimension Fig.-No.
					min.	max.		

 3 mm	L-36 BHD		700	red-diffused	1,3	3,2	60°	48
	L-36 BGD	GaP	565	green-diffused	5	32		
	L-36 BYD	GaAsP/GaP	590	yellow-diffused	5	20		
	L-36 BID		625	red-diffused	12,5	32		
	L-36 BSRD/B		660	red-diffused	100	300		

 3 mm	L-616 BHD		700	red-diffused	1,3	3,2	60°	49
	L-616 BGD	GaP	565	green-diffused	5	20		
	L-616 BYD	GaAsP/GaP	590	yellow-diffused	5	20		
	L-616 BID		625	red-diffused	12,5	32		
	L-616 BSRD/B		660	red-diffused	100	300		

 5 mm	L-56 BHD		700	red-diffused	2	8	60°	11
	L-56 BGD	GaP	565	green-diffused	5	32		
	L-56 BYD	GaAsP/GaP	590	yellow-diffused	5	32		
	L-56 BND		610	orange-diffused	5	32		
	L-56 BID		625	red-diffused	20	80		
	L-56 BSRD/B		660	red-diffused	100	300		

 8 mm	L-796 BID		625	red-diffused	20	100	60°	36
	L-796 BGD	GaP	565	green-diffused	20	70		
	L-796 BYD	GaAsP/GaP	590	yellow-diffused	20	70		
	L-796 BSRD/B		660	red-diffused	100	400		
	L-796 BSRC/B		660	water-clear	500	1000	40°	

 10 mm	L-816 BID		625	red-diffused	20	100	60°	38
	L-816 BGD	GaP	565	green-diffused	20	70		
	L-816 BYD	GaAsP/GaP	590	yellow-diffused	20	70		
	L-816 BSRD/B		660	red-diffused	100	400		
	L-816 BSRC/B		660	water-clear	500	1000	40°	



Absolute maximum ratings ($T_A = 25^\circ\text{C}$)		R red (GaAsP)				G green (GaP)	Y yellow (GaAsP/GaP)	
Reverse voltage	V_R	0,5	0,5	0,5	0,5	0,5	0,5	V
Forward current	I_F	38-56	38-56	38-56	38-56	38-56	38-56	mA
Total power dissipation	P_T	200	200	200	200	200	200	mW
Operating temperature	T_A	$-40^\circ + 70^\circ$	$-40^\circ + 70^\circ$	$-40^\circ + 70^\circ$	$-40^\circ + 70^\circ$	$-40^\circ + 70^\circ$	$-40^\circ + 70^\circ$	$^\circ\text{C}$
Storage temperature	T_{stg}	$-50^\circ + 100^\circ$	$-50^\circ + 100^\circ$	$-50^\circ + 100^\circ$	$-50^\circ + 100^\circ$	$-50^\circ + 100^\circ$	$-50^\circ + 100^\circ$	$^\circ\text{C}$
Operating characteristics ($T_A = 25^\circ\text{C}$)							Y yellow (GaAsP/GaP)	
Forward voltage (min.) ($I_F = 6 \text{ mA}$)	V_F	3,5	3,5	3,5	3,5	3,5	3,5	V
Forward voltage (typ.) ($I_F = 38 - 56 \text{ mA}$)	V_F	9-12	9-12	9-12	9-12	9-12	9-12	V
Forward voltage (max.) ($I_F = 70 \text{ mA}$)	V_F	13,0	13,0	13,0	13,0	13,0	13,0	V
Supply current	I_{son}	6-70	6-70	6-70	6-70	6-70	6-70	mA
Blink frequency	f	2,5-1,5	2,5-1,5	2,5-1,5	2,5-1,5	2,5-1,5	2,5-1,5	Hz
Wave length at peak emission ($I_F = 20 \text{ mA}$)	λ_P	700	625	610	660	565	590	nm
Spectral line half-width ($I_F = 20 \text{ mA}$)	Δ	45	45	45	20	30	35	nm

