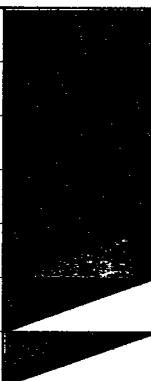
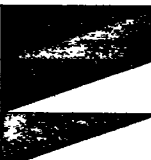
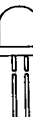
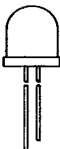


Kingbright® - Spezial - LED's

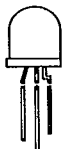
Gehäuse Case	Typen- bezeichnung Type	Emissions- farbe Colour	Wellen- länge Wave Length λ_{peak} (nm)	Gehäuse- farbe Case-colour	Lichtstärke Luminous Intensity ($I_F = 20\text{ mA}$) I_v (mcd) min. typ.		Voll- winkel (Grad) Viewing angle	Ab- messungen Dimensions Fig. No.
 3 mm	L-934 SRD / A		660	rot-diffus red-diffused	50	70	100°	1
	L-934 SRD / B		660	rot-diffus red-diffused	70	80		
	L-934 SRC / A		660	weiß-klar water-clear	100	250	50°	1 Chip
	L-934 SRC / B		660	weiß-klar water-clear	250	360		
	L-934 EGW		625 565	weiß-diffus white-diffused	2	3	120°	1
	L-934 HYW		665 595	weiß-diffus white-diffused	2	3		
	L-934 GYW		565 595	weiß-diffus white-diffused	4	5		
 5 mm	L-53 SRD / A		660	rot-diffus red-diffused	60	90	120°	2
	L-53 SRD / B		660	rot-diffus red-diffused	90	100		
	L-53 SRD / C		660	rot-diffus red-diffused	100	200		
	L-53 SRC / A		660	weiß-klar water-clear	200	390	70°	1 Chip
	L-53 SRC / B		660	weiß-klar water-clear	390	500		
	L-53 SRC / C		660	weiß-klar water-clear	500	1000		
 5 mm	L-56 EGW		625 565	weiß-diffus white-diffused	2	4	120°	3
	L-56 EYW		625 595	weiß-diffus white-diffused	2	5		
	L-56 GYW		565 595	weiß-diffus white-diffused	3	5		
 5 mm	L-59 EGW		625 565	weiß-diffus white-diffused	3,5	5	120°	4
	L-59 EYW		625 595	weiß-diffus white-diffused	3,5	5		
	L-59 GYW		565 595	weiß-diffus white-diffused	3	3,5		
 8 mm	L-793 ID		625	rot-diffus red-diffused	4	12	140°	5
	L-793 GD		565	grün-diffus green-diffused	4	8		
	L-793 YD		595	gelb-diffus yellow-diffused	6	12		
	L-793 SRD / B		660	rot-diffus red-diffused	120	200		
	L-793 SRD / C		660	rot-diffus red-diffused	200	350		
	L-793 SRC / B		660	weiß-klar water-clear	500	1000	90°	1 Chip
	L-793 SRC / C		660	weiß-klar water-clear	1000	1500		

	L-813 ID		625	rot-diffus red-diffused	4	10	140°	6
	L-813 GD		565	grün-diffus green-diffused	6	12		
	L-813 YD		595	gelb-diffus yellow-diffused	6	12		
	L-813 SRD/B		660	rot-diffus red-diffused	120	200	90°	
	L-813 SRD/C		660	rot-diffus red-diffused	200	350		
	L-813 SRC/B		660	weiß-klar water-clear	500	1000		
	L-813 SRC/C		660	weiß-klar water-clear	1000	1500		

10 mm

T-41-21

1 Chip

 10 mm	L-819 IID		625	rot-diffus red-diffused	10	15	140°	7
	L-819 GGD		565	grün-diffus green-diffused	6	13		
	L-819 YYD		595	gelb-diffus yellow-diffused	12	20		
	L-819 EGW		625 565	weiß-diffus white-diffused	4,5	9		2 Chip

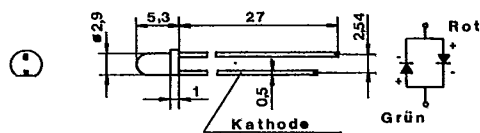


LED's nach Kundenspezifikation liefern wir schnell und preiswert.
We supply custom-made designs quickly and favourably priced.

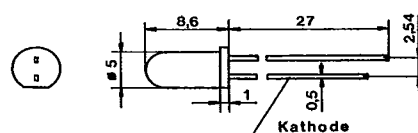
Charakteristische Daten Characteristic datas

Grenzdaten (Maximal Werte) Absolute maximum ratings ($T_A = 25^\circ\text{C}$)		rot red (GaAsP)	super-rot super-red (GaAsP / GaP)	hyper-rot hyper-red (GaAlAs)	grün green (GaP)	gelb yellow (GaAsP / GaP)	
Sperrspannung Reserve voltage	V_R	5	5	4	5	5	V
Durchlaßstrom Forward current	I_F	20	30	30	30	30	mA
Stoßstrom ($\tau \leq 10 \mu\text{s}$) Forward current (peak)	I_{FS}	150	150	150	150	150	mA
Verlustleistung Power dissipation	P_T	120	105	100	105	105	mW
Betriebstemperatur Operating temperature	T_A	- 50° + 100°	- 50° + 100°	- 50° + 100°	- 50° + 100°	- 50° + 100°	C
Lagertemperatur Storage temperature	T_{stg}	- 50° + 100°	- 50° + 100°	- 50° + 100°	- 50° + 100°	- 50° + 100°	C
Kenndaten (Typische Werte) Operating characteristics ($T_A = 25^\circ\text{C}$)		rot red (GaAsP)	super-rot super-red (GaAsP / GaP)	hyper-rot hyper-red (GaAlAs)	grün green (GaP)	gelb yellow (GaAsP / GaP)	
Durchlaßspannung (typ.) Forward voltage (typ.) ($I_F = 20 \text{ mA}$)	V_F	2,0	2,0	1,8	2,2	2,1	V
Durchlaßspannung (max.) Forward voltage (max.) ($I_F = 20 \text{ mA}$)	V_F	2,8	2,8	2,0	2,8	2,8	V
Sperrstrom Reserve current ($V_R = 5 \text{ V}$)	I_R	100	100	100	100	100	μA
Wellenlänge des emittierten Lichtes Wave lenght at peak emission ($I_F = 20 \text{ mA}$)	λ_P	665	625	660	565	595	nm
Spektrallinien-Halbweite Spectral line half-width ($I_F = 20 \text{ mA}$)	$\Delta\lambda$	45	45	20	30	35	nm

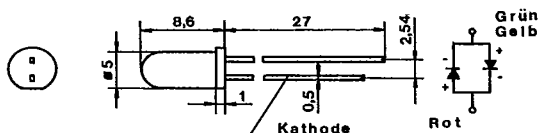
Abmessungen Dimensions



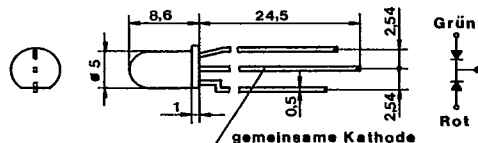
Nr. 1



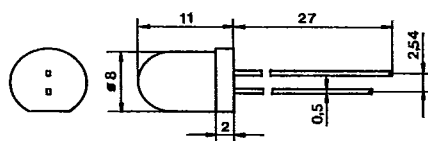
Nr. 2



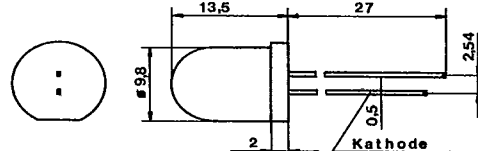
Nr. 3



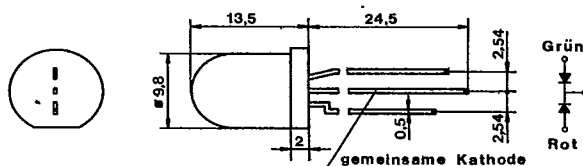
Nr. 4



Nr. 5



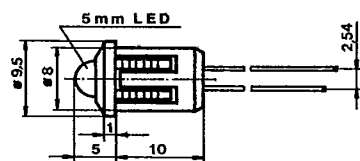
Nr. 6



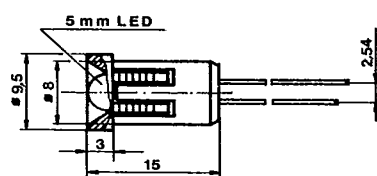
Nr. 7



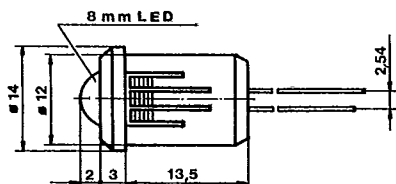
Clips + Fassungen Accessories



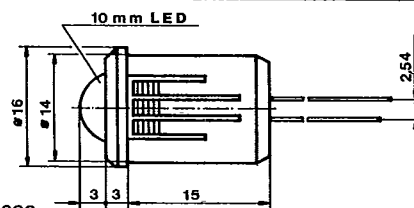
Type: RTF-5010



Type: RTF-5020



Type: RTF-8080



Type: RTF-1090