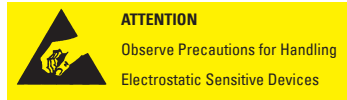


Yellow LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA								Lens Colour
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
	Y54U	592	3500	7000	9800	12°	2.25	2.60	
	Y50U	592	1500	3000	4200	45°	2.25	2.60	
Y501	585	50	80	95	40°	2.10	2.60	yellow diffused	
Blue LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA								Lens Colour
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
	B91G	470	8240	9000	11500	15°	3.20	3.50	
	B21G	470	1780	2120	2520	30°	3.20	3.50	
B61G	470	960	1160	1380	45°	3.20	3.50	waterclear	
Green LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA								Lens Colour
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
	G81N	525	21650	32500	43300	15°	3.20	3.50	
	G71N	525	4600	5620	6640	45°	3.20	3.50	
G501	568	50	80	95	40°	2.20	2.60	green diffused	
Red LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA								Lens Colour
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
	R54U	638	3500	7000	9800	12°	2.25	2.60	
	R50U	638	1500	3000	4200	40°	2.25	2.60	
R521	635	50	80	95	30°	2.00	2.60	red diffused	
White LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA								Lens Colour
	Part No:	Colour Temperature [°K]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
	W55N	5500-9000	15500	22000	31000	15°	3.20	3.50	
	W50N	5500-9000	1610	2320	3220	70°	3.20	3.50	
Red/Green LED's  	Electro-Optical-Characteristics Ta=25°C, IF=20mA								Lens Colour
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
	RGWW common cathode	660		700		24°		2.50	
		565		200				2.50	
	RGVW common anode	660		700		24°		2.50	
		565		200				2.50	
	RG5F bipolar	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			60°	Forward Voltage VF[V]	
			min.	typ.	max.	typ.		max.	
RG5F		627		29		2.00		2.50	
RG5F	565		29			2.20	2.50	white diffused	
Phototransistor Led 	Electro-Optical-Characteristics Ta=25°C, IF=20mA						Total power dissipation (mW) max.	Lens Colour	
	Part No:	spectral range (nm) 10% of max. s	Wavelength max. sensitivity (nm)	Viewing angle 2Θ1/2	collector-emitter voltage (V) max.	collector current (mA) max.			
	P300	420-1130nm	850	50°	35	50			200
Infrared Led 	Electro-Optical-Characteristics Ta=25°C, IF=100mA								Lens Colour
	Part No:	Peak Wavelength [nm]	Radiant Intensity mW (sr)			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.	max.	
J484	880	50				16°	1.5	1.8	violet clear

Specifications are subject to change without notice – Änderungen die dem technischen Fortschritt dienen, sind vorbehalten – Réserve de modifications de toutes les données techniques



Yellow LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	Y33U	592	2100	4200		14°	2.25		2.60
	Y30U	592	600	1200		40°	2.00		2.40
	Y301	585	20	30	40	40°	2.10	2.60	yellow diffused
Amber LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	A301	635		4.5		14°	2.00	2.60	amber diffused
Blue LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	B71G	470	4400	6220	8750	15°	3.20		3.50
	B41G	470	960	1160	1380	30°	3.20	3.50	waterclear
Green LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	G41N	525	17600	26000	34800	15°	3.20		3.50
	G51N	525	7400	10320	14800	30°	3.20		3.50
	G301	568	30	40	50	40°	2.20	2.60	green diffused
Red LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	R33U	638	2000	4000		18°	2.25		2.60
	R30U	635	1000	1500		40°	2.00		2.50
	R301	700	5	8	20	40°	2.20	2.60	red diffused
White LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Colour Temperature [°K]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	W37N	5500-9000	9480	13350	18960	20°	3.20		3.50
	W36N	5500-9000	4610	6900	9220	50°	3.20		3.50
	W32N	5500-9000	2520	3745	5040	60°	3.20	3.50	white diffused
Red/Green LED's 	Electro-Optical-Characteristics Ta=25°C, IF=20mA							Lens Colour	
	Part No:	Peak Wavelength [nm]	Luminous Intensity [mcd]			Viewing angle 2Θ1/2	Forward Voltage VF[V]		
			min.	typ.	max.		typ.		max.
	RG36 common cathode	635		20.0		50°	2.00	2.40	white diffused
		565		12.5			2.00	2.40	