

## PHOTO TRANSISTORS and DARLINGTON PHOTOTRANSISTORS

TO 18 FLAT WINDOW						
Part No.	$I_L$ (ma) $V_{CE} = 5V$		H (Note 1) mw/cm <sup>2</sup>	$BV_{CEO}$ Volts	$I_{CEO}$ (na) $V_{CE} = 10V$	$P_T$ (mw) 25°C
	Min	Max				
CLT 2065	7.0	—	5.0	40	50	250
CLT 2064	3.0	7.0	5.0	50	50	250
CLT 2030	1.0	3.0	5.0	30	25	250
CLT 2020	0.4	1.2	5.0	30	25	250
CLR 2060	1.4	4.0	0.20	40	100	250
	14.0	—	2.0			
CLR 2050	0.6	1.8	0.20	40	100	250
	6.0	—	2.0			
CLR 2049	.2	.6	0.20	40	100	250

### WINDOW LENS .115 LENGTH X .077 DIAMETER

Part No.	Lens	$I_L$ (ma) $V_{CE} = 5V$		H (Note 1) mw/cm <sup>2</sup>	$BV_{CEO}$ Volts	$I_{CEO}$ (na) $V_{CE} = 10V$	$P_T$ (mw) 25°C
		Min	Max				
CLT 5170	L	1.4	—	5	40	25	50
		6.0	—	20			
CLT 5160	L	0.5	—	5	40	25	50
		2.0	7.0	20			
CLR 5101	L	2.0	—	0.2	40	100	50
		20.0	—	2.0			

-2 Designation is with second lead welded to the header

TO 18 LENS						
Part No.	$I_L$ (ma) $V_{CE} = 5V$		H (Note 1) mw/cm <sup>2</sup>	$BV_{CEO}$ Volts	$I_{CEO}$ (na) $V_{CE} = 10V$	$P_T$ (mw) 25°C
	Min	Max				
CLT 2165	15.0	—	5.0	40	50	250
CLT 2164	7.0	—	5.0	40	50	250
CLT 2160	4.0	12.0	5.0	30	25	250
CLT 2150	2.4	7.2	5.0	40	25	250
CLT 2140	1.2	3.6	5.0	40	25	250
CLR 2180	0.6	—	0.02	40	100	250
	4.0	—	0.20			
CLR 2170	0.2	0.8	0.02	40	100	250
	2.0	—	0.20			

### WINDOW LENS .110 LENGTH X .060 DIAMETER

Part No.	Window or Lens	$I_L$ (ma) $V_{CE} = 5V$		H (Note 1) mw/cm <sup>2</sup>	$BV_{CEO}$ Volts	$I_{CEO}$ (na) $V_{CE} = 10V$	$P_T$ (mw) 25°C
		Min	Max				
CLR 3180	L	2.0	—	0.2	40	100	50
CLT 3170	L	2.0	—	5	40	10	50
		7.0	—	20			
CLT 3160	L	0.5	—	5	50	10	50
		2.0	7.0	20			
CLT 3030	W	0.25	—	5	40	10	50
		1.0	3.0	20			
CLT 3020	W	0.10	—	5	50	10	50
		0.40	1.2	20			

### OPTICAL SWITCHES

Part No.	Dimensions Height, Width, Thickness Inches	Gap Width Inches	Slit on Sensor	$I_{CE\ min}$ (ma) $V_{CE} = 5V$	@ $I_F$ ma	$BV_{CEO}$ Volts	$I_{D\ max}$ (na) $V_{CE} = 10V$	Internal $R_L$	Sensor	
									Darlington	Transistor
CLI55	1.3 x .950 x .500	.250	—	12	10	30	100	Yes	✓	
CLI55A	1.3 x .950 x .500	.250	—	1	20	30	100	No		✓
CLI55B	1.3 x .950 x .500	.250	—	12	10	30	100	No	✓	
CLI55C	1.3 x .950 x .500	.250	—	.5	10	30	100	No		✓
CLI200	.425 x .500 x .250	.100	—	1	20	40	50	No		✓
CLI200D	.425 x .500 x .250	.100	—	10	20	40	100	No	✓	
CLI200S	.425 x .500 x .250	.100	.005	.1	20	40	50	No		✓
CLI300	1.3 x .950 x .500	.250	—	10 @ .5V	20	30	100	No		✓

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