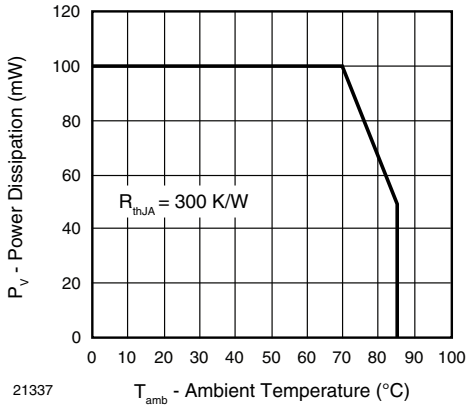

Fig. 1 - Power Dissipation Limit vs. Ambient Temperature

BASIC CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)						
PARAMETER	**TEST CONDITION**	**SYMBOL**	**MIN.**	**TYP.**	**MAX.**	**UNIT**
Collector emitter breakdown voltage	I_C = 0.1 mA	V_{CEO}	6	-	-	V
Collector dark current	V_{CE} = 5 V, E = 0	I_{CEO}	-	3	50	nA
Collector emitter capacitance	V_{CE} = 0 V, f = 1 MHz, E = 0	C_{CEO}	-	16		pF
Collector light current	E_v = 20 lx, CIE illuminant A, V_{CE} = 5 V	I_{PCE}	15	-	70	µA
	E_v = 100 lx, CIE illuminant A, V_{CE} = 5 V	I_{PCE}	-	200	-	µA
Angle of half sensitivity		φ	-	± 30	-	deg
Wavelength of peak sensitivity		λ_p	-	570	-	nm
Range of spectral bandwidth		$\lambda_{0.5}$	-	440 to 800	-	nm
Collector emitter saturation voltage	E_v = 20 lx, CIE illuminant A, I_{PCE} = 1.2 µA	V_{CEsat}	-	0.1	-	V

TYPE DEDICATED CHARACTERISTICS						
PARAMETER	**TEST CONDITION**	**BINNED GROUP**	**SYMBOL**	**MIN.**	**MAX.**	**UNIT**
Photo current	E_V = 20 lx, CIE illuminant A, V_{CE} = 5 V, T_{amb} = 25 °C	A	I_{PCE}	15	28.4	µA
		B	I_{PCE}	23.5	44.6	µA
		C	I_{PCE}	36.9	70	µA

Note

- Each 5000 piece bag will contain a single group. The label on the bag will indicate which binned group is in the bag. A specific group cannot be ordered. Production shipments containing multiple bags will likely include multiple groups. Please design accordingly.

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BASIC CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)

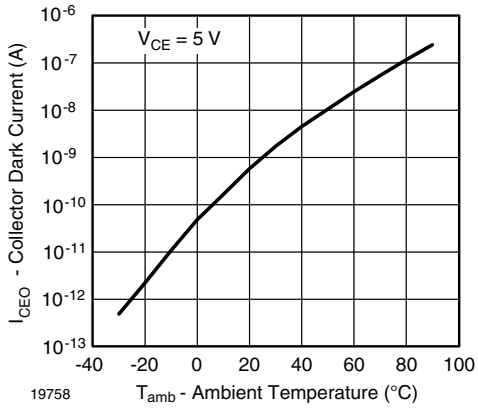

Fig. 2 - Collector Dark Current vs. Ambient Temperature

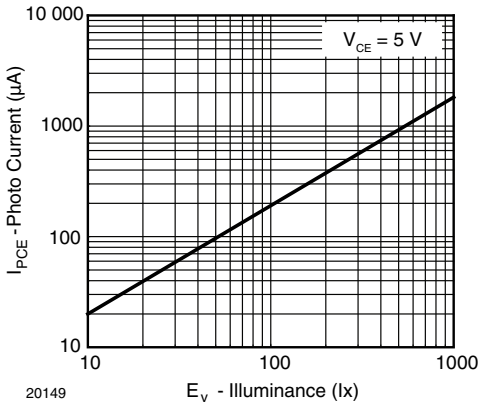

Fig. 5 - Photo Current vs. Illuminance

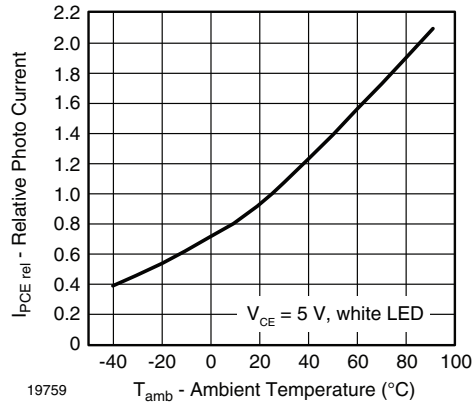

Fig. 3 - Relative Photo Current vs. Ambient Temperature

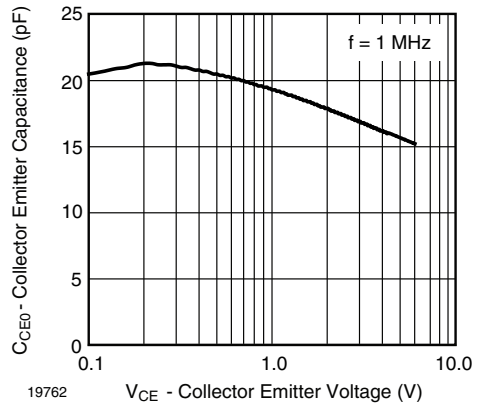

Fig. 6 - Collector Emitter Capacitance vs. Collector Emitter Voltage

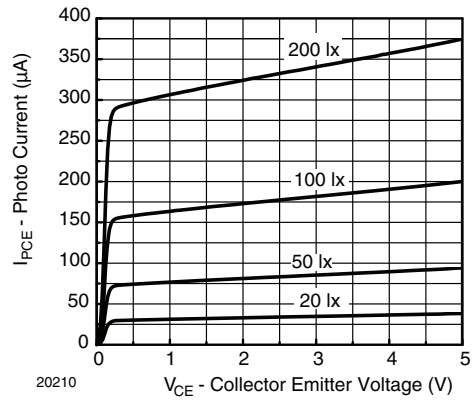

Fig. 4 - Photo Current vs. Collector Emitter Voltage

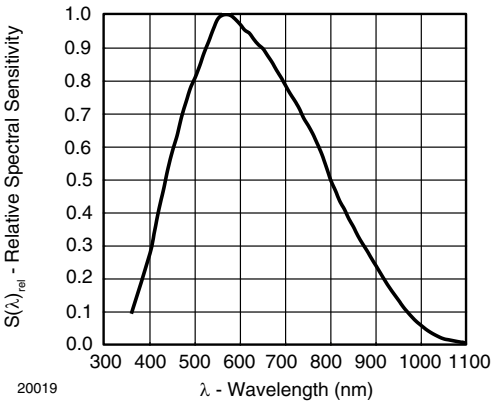

Fig. 7 - Relative Spectral Sensitivity vs. Wavelength

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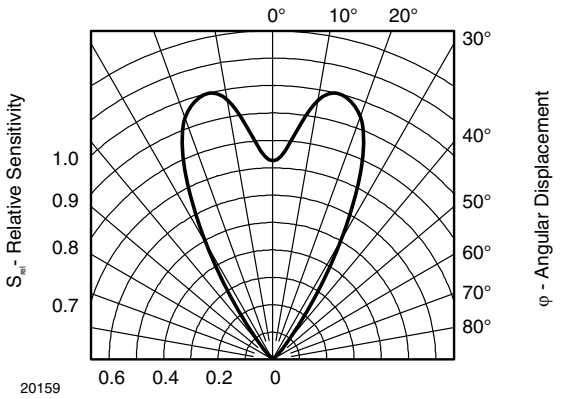
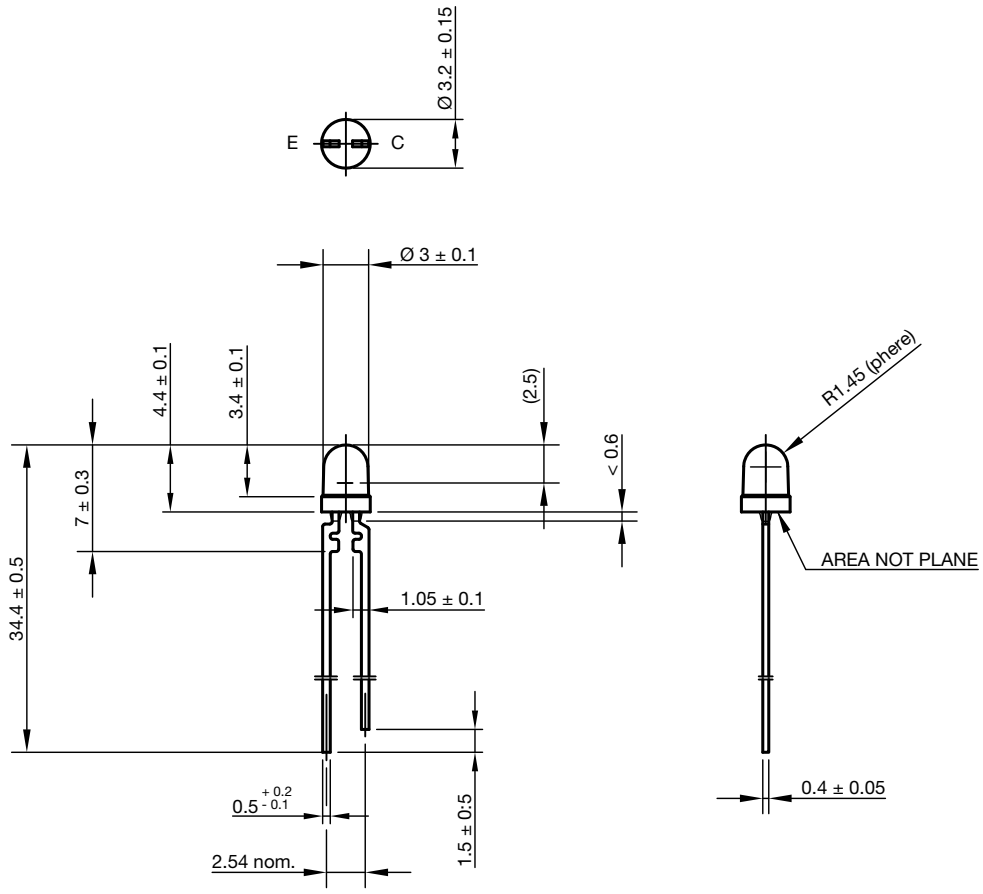


Fig. 8 - Relative Radiant Sensitivity vs. Angular Displacement

PACKAGE DIMENSIONS in millimeters



Drawing-No.: 6.544-5054.01-4
Issue: 5; 28.07.14

technical drawings
according to DIN
specifications

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