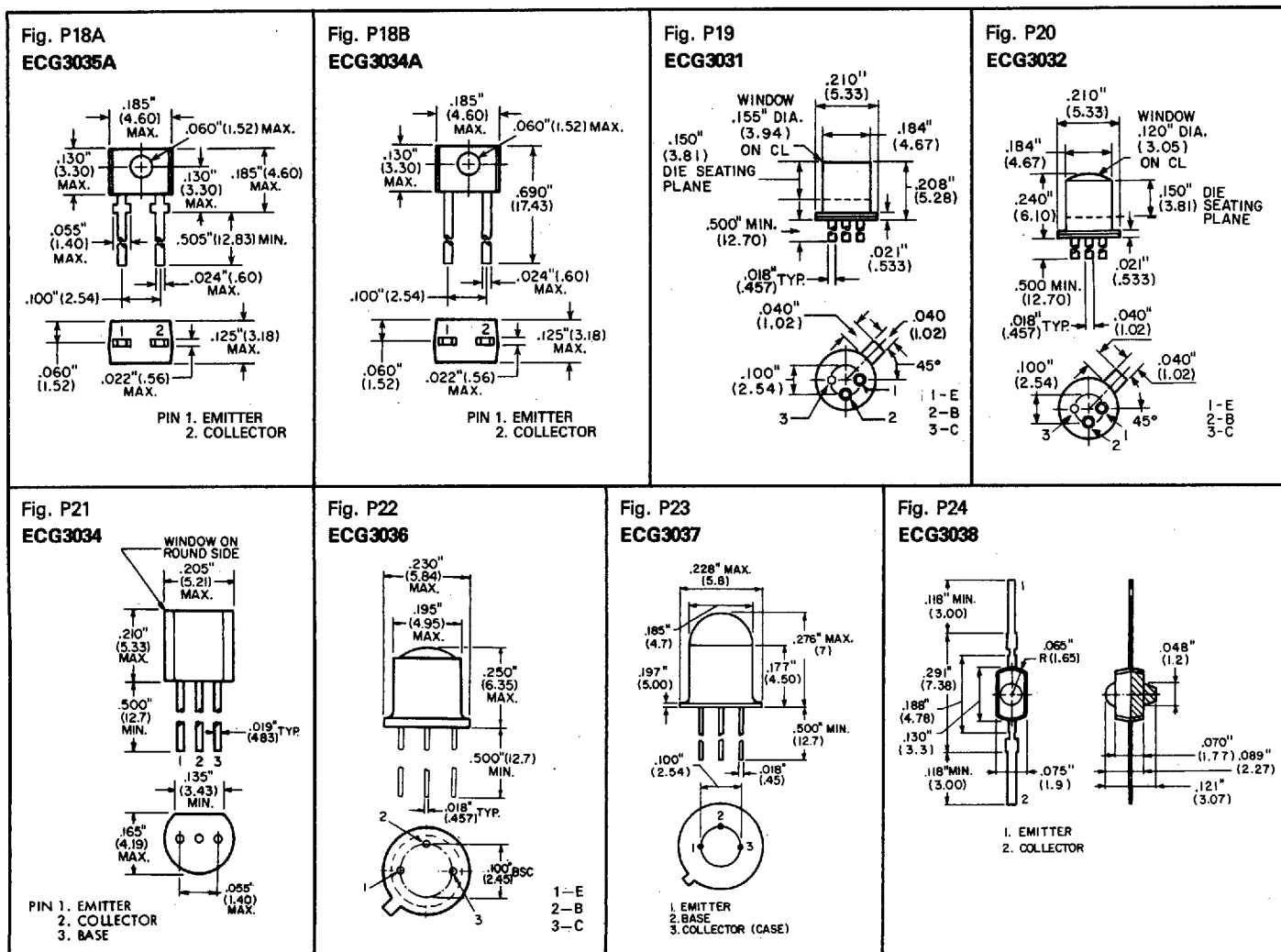


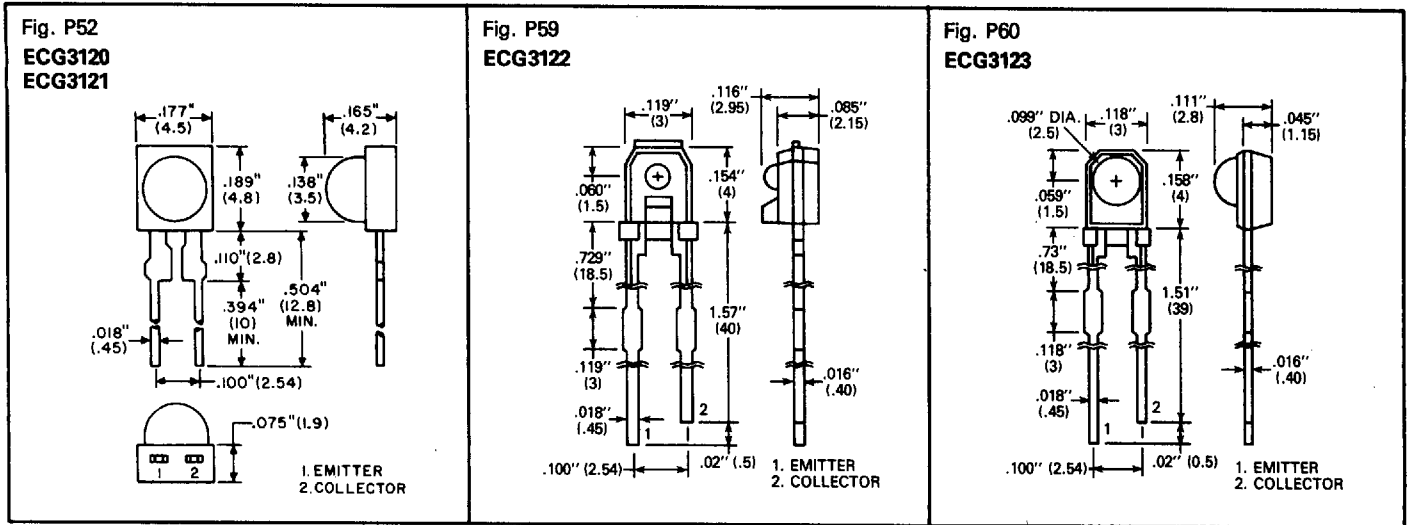
Phototransistor Detectors

ECG Type	Description	Collector to Base Voltage BV _{CEO} (V)	Max Collector Current I _c (mA)	Max Dark Current I _D at 25°C (nA)	Min Light Current I _L (mA)	Max Power Dissipation at 25°C P _T (mW)	Rise Time t _r (μS)	Fig. No.
ECG3031	NPN, Si, Visible and IR	80	40	20 at VCE 5V	6	200	2 Typ	P19
ECG3032	NPN, Si, Visible and IR	80	40	20 at VCE 5V	12	200	2 Typ	P20
ECG3034A	NPN, Si, Visible and IR	30 (V _{CEO})	100	100 at VCE 10V	.7	150	---	P18B
ECG3035A	NPN, Si-Darlington Amp h _{FE} = 2.0 K, Visible and IR	60	100	100 at VCE 10V	5	150	75	P18A
ECG3036	NPN, Si-Darlington, Visible and IR	40	250	100 at VCE 10V	12	250	40 Typ	P22
ECG3037	NPN, Si, Visible and IR	50	50	500 at VCE 30V	10	150	2 Typ	P23
ECG3038	NPN, Si-Darlington, Visible and IR	25	20	20 at VCE 10V	5	50	1.5 Typ	P24
ECG3120	NPN, Si, Visible and IR	20 (V _{CEO})	20	500 at VCE 10V	1	100	10 Max	P52
ECG3121	NPN, Si, Darlington Visible and IR	20 (V _{CEO})	30	500 at VCE 10V	.5	100	100 Typ	P52
ECG3122	NPN, Si, Darlington, IR, Visible Cut-off, Narrow Acceptance	35 (V _{CEO})	50	1 μA at VCE 10V	1.5	75	80	P59
ECG3123	NPN, Si, Darlington, IR, Visible Cut-off	35 (V _{CEO})	50	1 μA at VCE 10V	.2	75	80	P60

Phototransistor Detector Outlines



Phototransistor Detector Outlines (cont'd)

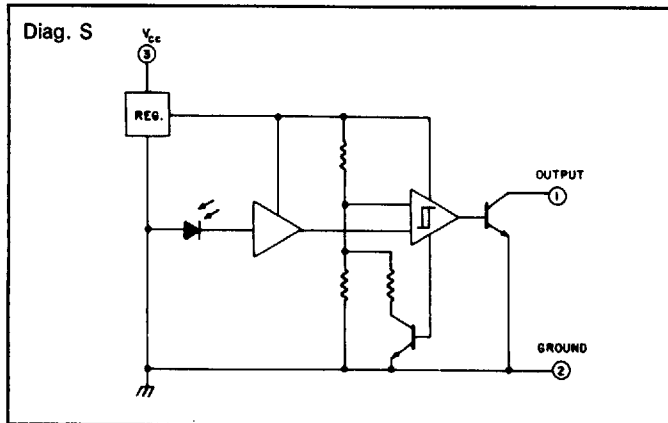


Opto-Electronic Switch – Day/Night Sensing

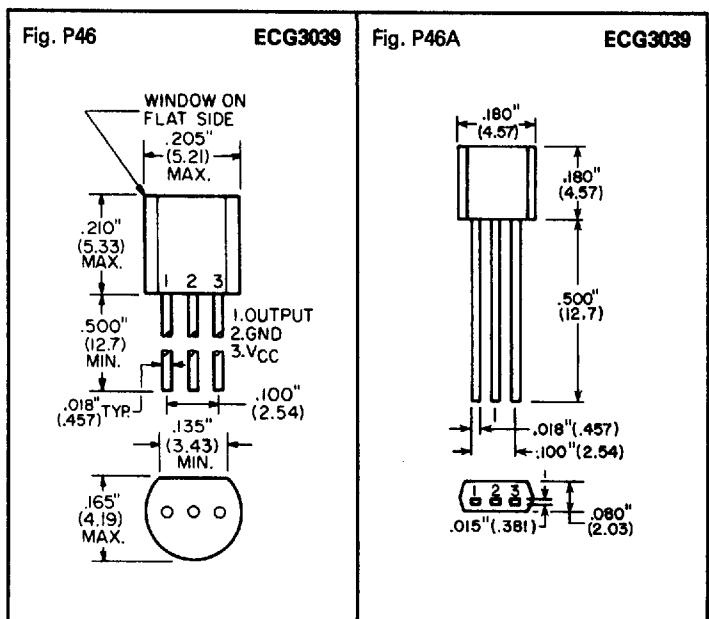
ECG Type	Description	Max Ratings				Typical Ratings		Ckt Diagram	Fig.* No.
		Supply Voltage Vcc (V)	Output Voltage VOUT (V)	Output Current IOUT (mA)	Power Diss. PD (mW)	Light Threshold ON EON (Lumens/Ft²)	Light Threshold OFF EOFF (Lumens/Ft²)		
ECG3039	Light/Dark Electronic Switch	15	15	50	750	5.0	5.9	S	P46 P46A

* May be shipped in either case style.

Circuit



Outlines



Typical Application

