

GL538 Datasheet



DiGi Electronics Part Number	GL538-DG
Manufacturer	Sharp Microelectronics
Manufacturer Product Number	GL538
Description	EMITTER IR 950NM 100MA T 1 3/4
Detailed Description	Infrared (IR) Emitter 950nm 1.3V 100mA 15mW/sr @ 50mA 26° T 1 3/4

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Manufacturer Product Number:

GL538

Series:

-

Manufacturer:

Sharp Microelectronics

Fig. 1 Forward Current vs. Ambient Temperature

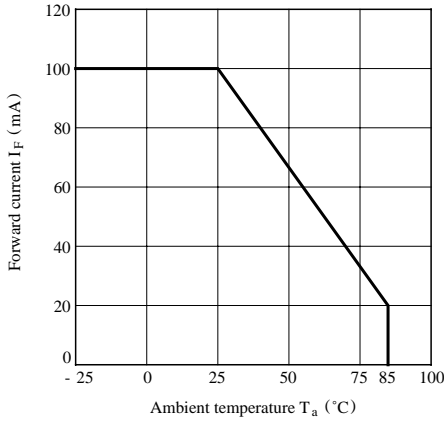


Fig. 2 Peak Forward Current vs. Duty Ratio

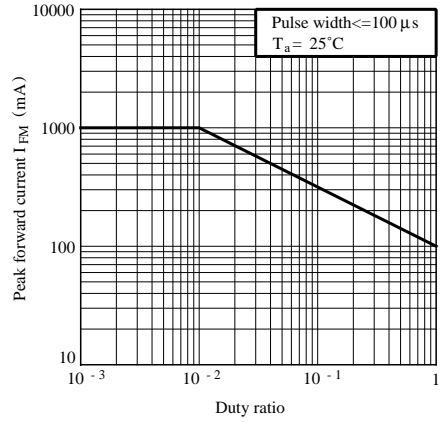


Fig. 3 Spectral Distribution

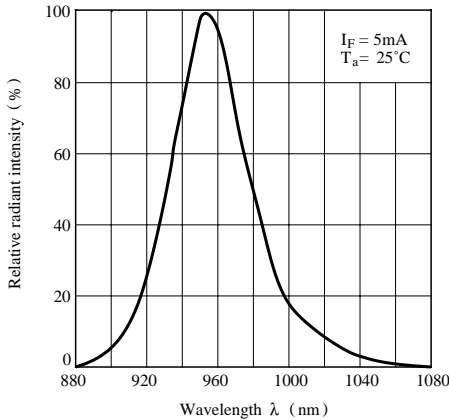


Fig. 4 Peak Emission Wave length vs. Ambient Temperature

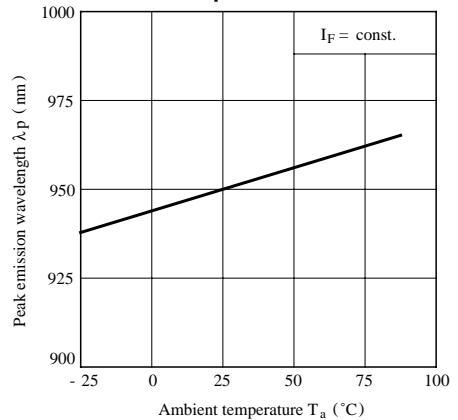


Fig. 5 Forward Current vs. Forward Voltage

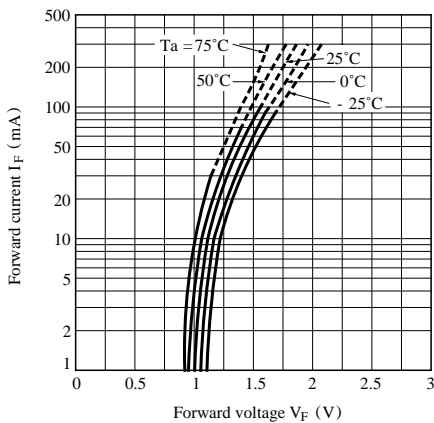


Fig. 6 Relative Forward Voltage vs. Ambient Temperature

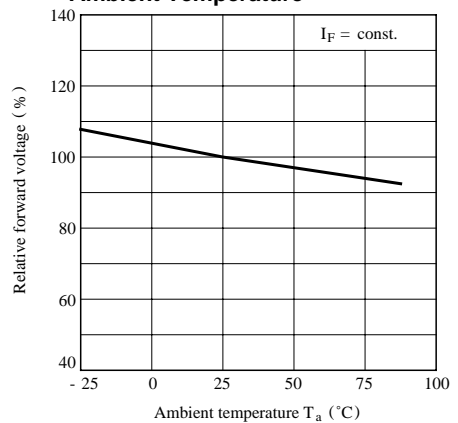


Fig. 7 Relative Output vs. Ambient Temperature (Detector : PD410PI)

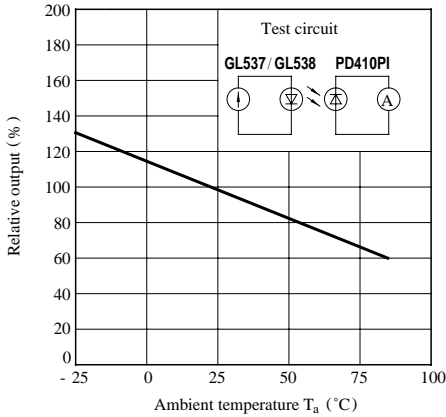


Fig. 8 Radiation Intensity vs. Peak Forward Current

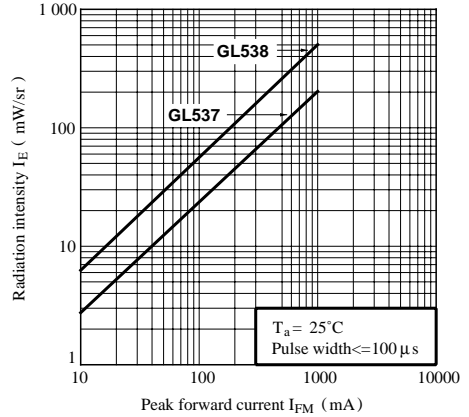


Fig. 9 Relative Collector Current vs. Distance (Detector : PD410PI)

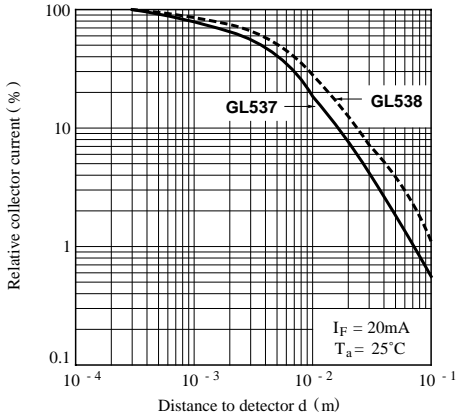


Fig.10 Relative Collector Current vs. Distance (Detector : PD49PI)

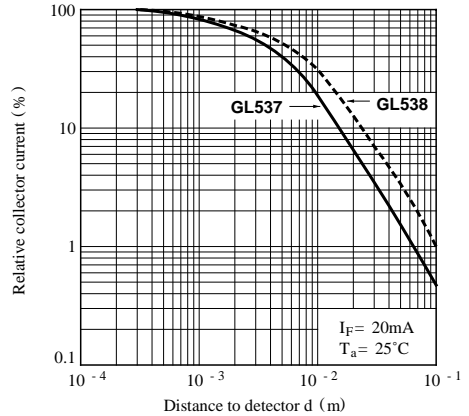


Fig.11-a Radiation Diagram (GL537) (Ta = 25°C)

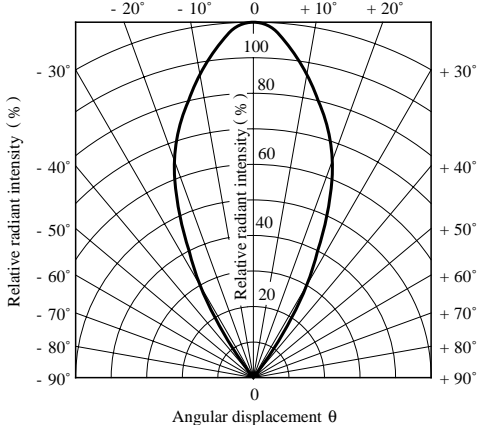
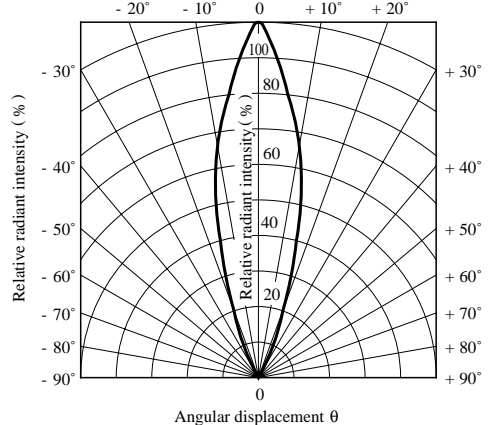


Fig.11-b Radiation Diagram (GL538) (Ta = 25°C)



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