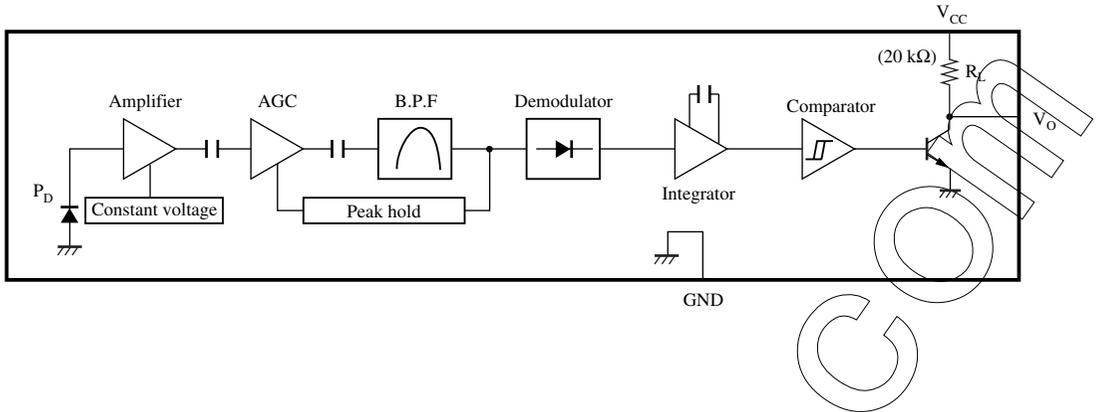
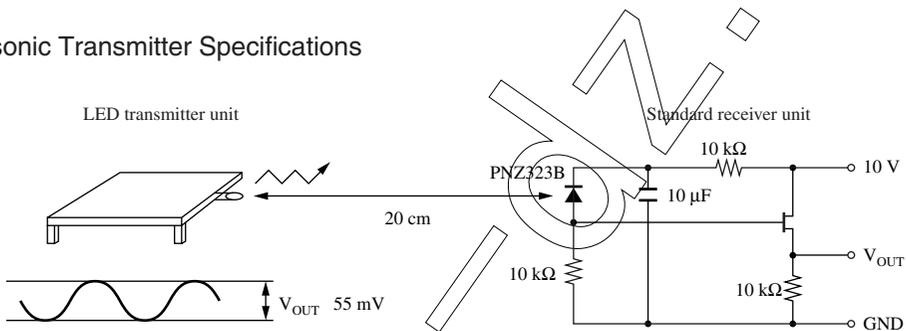




■ Block Diagram

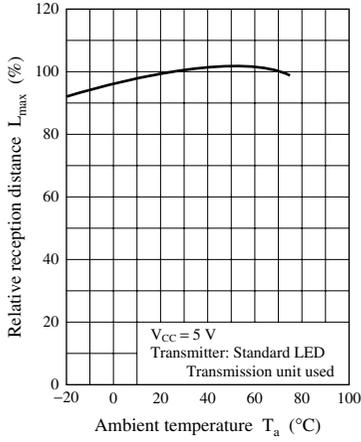


■ Panasonic Transmitter Specifications

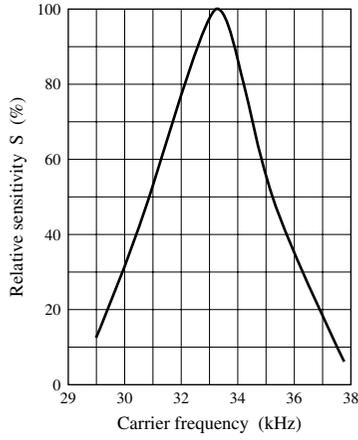


1. The output of the LED transmitter unit is adjusted so that the output standard receiver unit,  $V_{OUT}$  may be 55 mV when transmitting waves (duty = 50%) are output from the transmitter unit, where the sensitivity to infrared emitters (SIR) of PNZ323B is  $0.53 \mu A$  when the irradiance  $H$  is  $12.45 \mu W/cm^2$ .
2. The maximum detection distance of this specification is guaranteed by  $T_{WH}$  and  $T_{WLI}$  being within the limits when constant 16 pulses are transmitted with the output of the transmitter unit corresponded to the maximum detection distance in the system above. (The maximum detection distance is measured in the darkness without disturbing noises.)

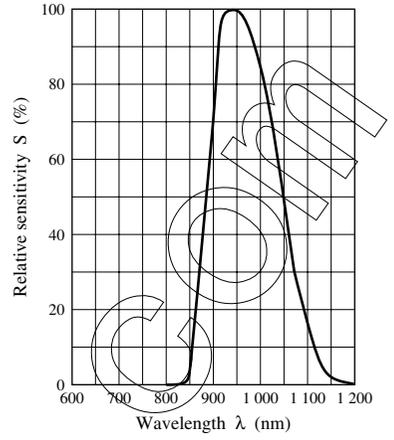
$L_{max} - T_a$



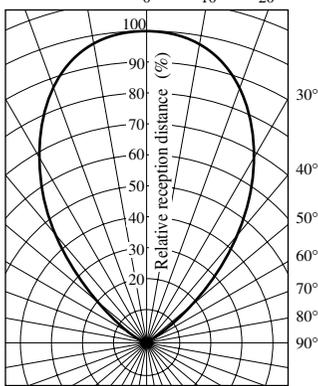
B.P.F frequency characteristics



Spectral sensitivity characteristics



Directivity characteristics



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