

INFRA-RED PHOTODETECTOR

The BPW41D is a large area, silicon p.i.n. photodiode having a low junction capacitance and consequently capable of fast response times. The active chip is packaged in a plastic moulding which contains a near infra-red transmissive filter such that the device is sensitive to infra-red radiation only, and has a high rejection of wavelengths below 800 nm. The BPW41D is therefore eminently suitable for use in I.R. remote control links.

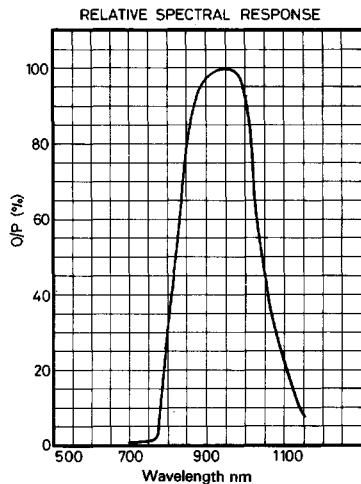
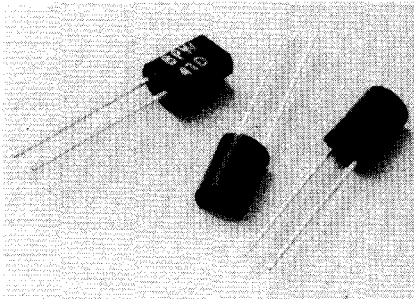
I.R. REMOTE CONTROL APPLICATIONS ADVICE

Advice is available on complete I.R. remote control systems for applications such as those listed below. The combination of I.R. emitting diode, photodetector and detector electronics is critical in defining the performance of a remote control system, and advice is freely available as to the best system combination for a given application.

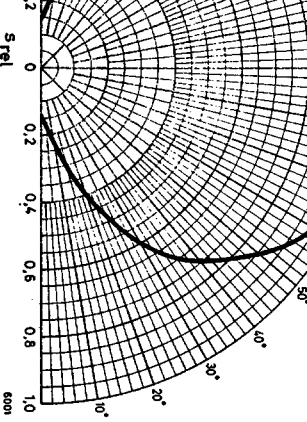
SUITABLE APPLICATIONS FOR I.R. REMOTE CONTROL

Television, Hi-Fi Systems, Slide Projectors, Model Cars, Trains, etc., Garage Doors, Domestic Appliances.

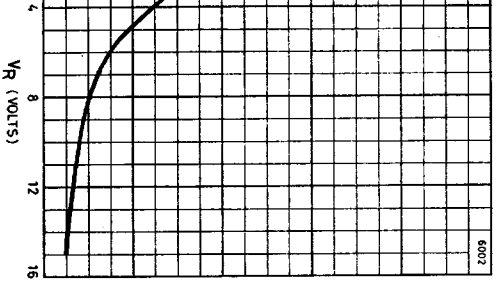
(See inside front cover for spectral response).



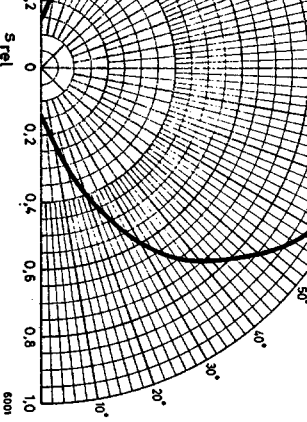
RELATIVE SPECTRAL RESPONSE



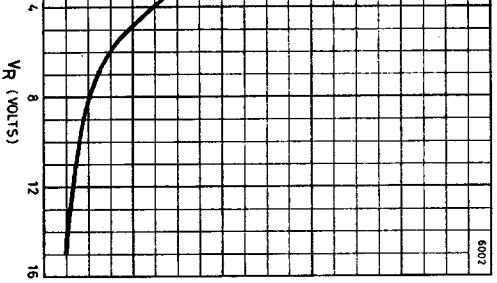
LAR RESPONSE



CE VS REVERSE VOLTAGE



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