

SMD IR Receiver Module



The TSOP5700 receiver module combines a photo detector and preamplifier in a single package with a footprint of 7.2 × 5.3 mm. Maximum data rate is 20 kbits/s. The TSOP5700 operates on a 455 kHz carrier frequency. Internal Automatic Gain Control (AGC) circuitry provides enhanced immunity against all kinds of light-source disturbances, while an external metal shielding offers superior protection against EMI. The receiver module's epoxy package doubles as an IR filter. An internal band filter allows PCM frequency operation. Specified for supply voltages of 2.7 V to 5.5 V, the TSOP5700 is capable of receiving a high envelope duty cycle and has a short settling time after power-on. The device is TTL- and CMOS-compatible.

Source URL (retrieved on 01/27/2015 - 10:01am):

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