

Miniaturized IR Sensor Modules

Devices Feature Modulated Carrier Out Signal for IR Repeater and Code Learning Applications

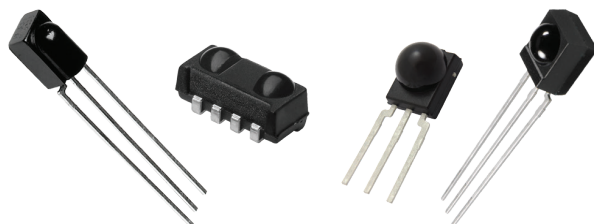


ADVANTAGE

Wider supply voltage range, 50 % lower power consumption, better performance in bright ambient than previous-generation solutions.

KEY PRODUCT FEATURES

- ✓ Wide supply voltage range from 2.0 V to 5.5 V and low typical power consumption of 0.35 mA at 3.3 V.
- ✓ Internal metal shielding protects against EMI disturbances.
- ✓ Automatic gain control (AGC) circuitry suppresses ambient noise.
- ✓ Transmission distance up to 18 m with a single TSAL6200 emitter.
- ✓ AC coupled response from 30 kHz to 60 kHz for all data formats.



MARKETS AND APPLICATIONS



CONSUMER

- Entertainment - TVs, set-top boxes (STB)

KEY SPECIFICATION

Part Number	Trans. Distance (m)	Single/Dual Lens	Leaded/SMD	Pkg.
TSMP93100	18	Single	Leaded	Mold
TSMP94100	18	Single	Leaded	Mold
TSMP95100XV	10	Dual	SMD	Heimdall
TSMP98100	12	Single	Leaded	Minicast

RESOURCES

