



1. DESCRIPTION

MT3102 is an advanced miniature optical light-to-digital converter, integrating a proximity sensor and 940nm IR VCSEL. Customers can improve the system efficiency with the supported features and settings of module.

MT3102 incorporates photodiode, timing controller and ADC. The detect/release events can be interrupt driven, and occur when proximity result crosses upper and/or lower threshold settings.

MT3102 provides a wide range of offsets adjustment to compensate the unexpected IR energy reflection into the sensor, the proximity results are further improved by automatic ambient light elimination method. Besides, it employs a noise cancellation scheme to highly