WDM-C234V5

5G-NR & TD-LTE Sync Detector

Key Features

- ✓ TDD Sync recovery from 5G0-NR or TD-LTE signals.
- ✓ Wide Dynamic range 50MHz to 4GHz.
- ✓ Holdover support for input jitter/Fading environment for stable TDD switch signal output.
- ✓ Firmware Upgradeable through GUI port.
- ✓ Four independent TDD sync signal output with different time offsets.
- ✓ USB 2.0 Full speed interface.
- ✓ DC 3.3V Single power input.

Key Benefits

- ✓ Small Size & Low power consumption.
- ✓ Wide Dynamic range 50MHz to 4GHz.
- ✓ Holdover Function for the trouble free operations.
- ✓ Easy to install on 5G-NR or TD-LTE repeater.

INNOS's Sync Detector WDM-C234V5 provides accurate TDD Timing directly generated from the RF signal.

INNOS's TDD Sync Detector WDM-C234V5 provides accurate TDD sync signal and strong Holdover performance with lower cost.

Conventional TDD sync detectors have been using preamble provided by modem solution providers which makes cost high and weak holdover performance by deep fading.

INNOS has launched new concept of TDD sync detector WDM-C234V5 which uses RF power detection algorithm. It is working without dependency of frequency band and which solutions used on repeater.

It provides the merits of low cost and free adaptation with no limitation of technologies such as 5G-NR and TD-LTE.

INNOS's patent of new TDD sync detection algorithm should provide customers lower cost, strong holdover performance and technology independency.

The WDM-C234V5 support a wide dynamic input bandwidth from 50MHz to 4GHz, so WDM-C234V5 can be work with RF signal or IF signal without any consideration.

A debug port provide monitoring and firmware upgrade via the RS-232C(LVTTL) port of PC.

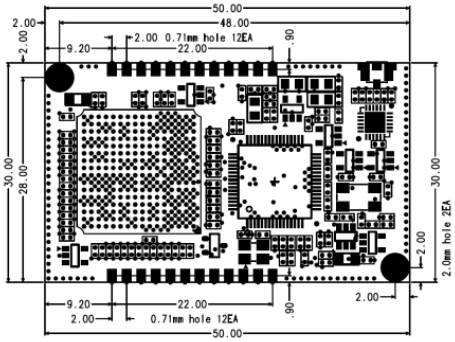
WDM-C234V5 Specifications

RF Input

- ✓ Input Frequency ..... 50MHz ~ 4GHz
- ✓ Input Level ..... -40 dBm ~ 0dBm
  * SNR should be > 10dBm
- ✓ Impedance ..... 50 ohm

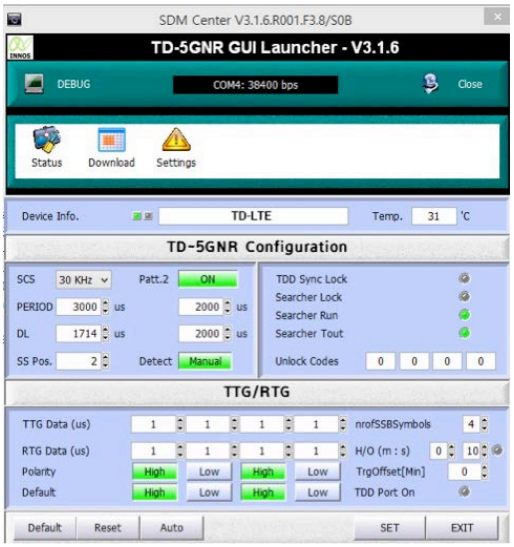
Mechanical / Environment

- ✓ Size .....50mm(L) x 30mm(W) x 2.5mm(H)
- ✓ Power ..... 3.3V DC, 200mA Max
- ✓ Oper. Temp.....0 °C ~ +70 °C
  ..... -40 °C ~ +70 °C (Optional)
- ✓ Storage. Temp..... -40 °C ~ +85 °C
- ✓ Humidity ..... 0 to 95%, non condensing
- ✓ weight .....6 gram



GUI interface

- ✓ Communication protocol.....RS-232C(UART)
- ✓ Level.....LVTTL
- ✓ Baud Rate..... 38400bps/N/8/1



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