

## Dual-Channel PCM Interface Module for MSSR-2010-SA & MSSR-110C Recorders



### Applications

- Data acquisition systems
- Flight test data recording
- Flight test instrumentation
- Lab test

### Features

- For use in TTC's MSSR-2010-SA and MSSR-110C miniature IRIG 106 Chapter 10 multiplexer/recorder
- Two independent PCM input channels
- Channels supports RS-422 differential or single-ended TTL inputs
- Built-in programmable frame correlator for each input channel
- Operates up to 20Mbps per channel (RS-422 Differential inputs)
- Time tagging per IRIG Chapter 10
- 100% data recording
- Frame lock output signals per channel
- Multiple MPCM-102M modules can be placed in a single recorder
- Configurable using TTC's programmable software application

### Description

The MPCM-102M is a 2-channel, PCM module for use in TTC's MSSR-2010-SA and MSSR-110C miniature IRIG 106 Chapter 10 multiplexer/recorder. The module has two independent PCM channel inputs. Each channel accepts RS-422 differential inputs at rates up to 20Mbps on a per-channel basis. Both channels are also selectable to allow input on separate single-ended TTL input pins (5 Mbps maximum). The two PCM data/clock interfaces are accessible at the MPCM-102M faceplate via a single 37-Pin MDM connector. The total system bandwidth of all the input modules in a system should not exceed the maximum recorder bandwidth.

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### MPCM-102M Datasheet

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