

**DTI**

Dragan Technologies Inc.

www.dticanada.com

Low Pass Filter Array (11-Channel)

The DTI 11-Channel Low Pass Filter Array provides general purpose filtering in phase lag insensitive applications, or for converting a variable Pulse With Modulated signal into a variable DC voltage for control purposes.

DTI 11-Channel Low Pass Filter Array is a, one-pole, passive RC filter array comprised of 11 low-pass filter elements to filter 11 individual analog channels referenced to a common ground return.

Features:

- **Input Voltage Range**

The safe operating steady state voltage range on each channel is limited by the 0.25W power rating of the 1-KOhm input resistors. The input resistor's power rating limits the allowable input voltage range to +15V dc.

- **Operating Temperature**

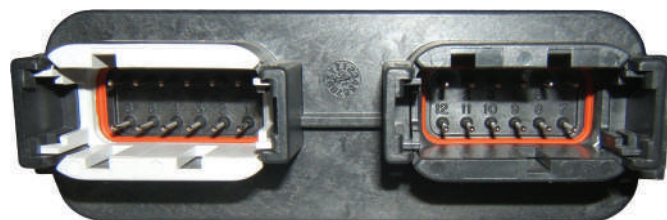
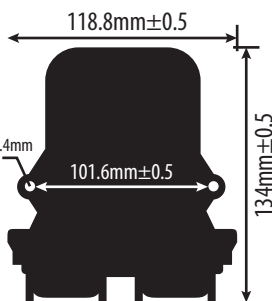
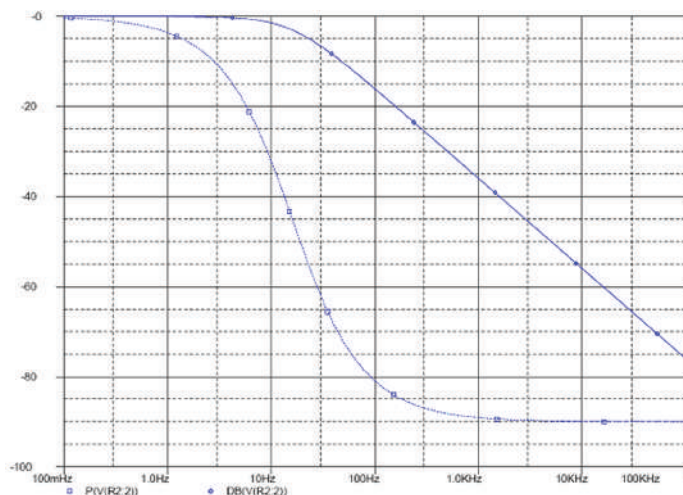
Operating Temperature Range -40°C to +85°C.

Note: Frequency characteristics will vary slightly with temperature.

- **Humidity Operating Level of 99% or less.** (non condensing)

- **Filter Characteristic**

A Bode Plot of a single filter element is shown below.



Grey Plug PLC

- 1 - Channel 1
- 2 - Channel 2
- 3 - Channel 3
- 4 - Channel 4
- 5 - Channel 5
- 6 - Channel 6
- 7 - Channel 7
- 8 - Channel 8
- 9 - Channel 9
- 10 - Channel 10
- 11 - Channel 11
- 12 - GROUND Common

Mating Connector
DTM06-12SA

Black Plug PVE

- 1 - Channel 1
- 2 - Channel 2
- 3 - Channel 3
- 4 - Channel 4
- 5 - Channel 5
- 6 - Channel 6
- 7 - Channel 7
- 8 - Channel 8
- 9 - Channel 9
- 10 - Channel 10
- 11 - Channel 11
- 12 - GROUND Common

Mating Connector
DTM06-12SB

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