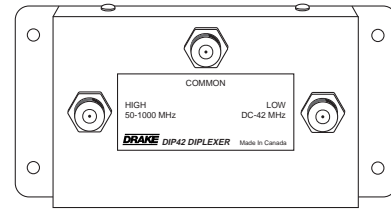
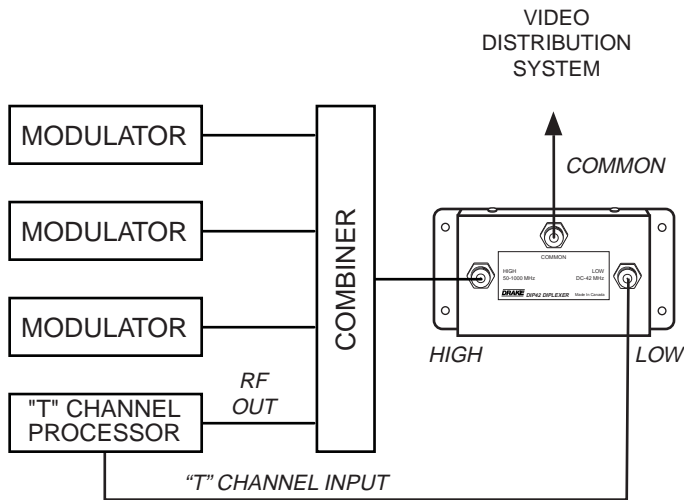


The DIP42 is a high performance diplex filter that splits or combines "T" channel (DC to 42 MHz) and TV and Cable TV channels (50 MHz to 1000 MHz).

The diagram below illustrates a typical installation for use with Return Path Systems ("T" Channel).



## ELECTRICAL SPECIFICATIONS

- Impedance: 75 Ohm, type F connector.
- Return Loss
- Return Path:  $\geq 18$  dB.
- Forward Path:  $\geq 16$  dB.
- Frequency Response
  - Low Port: DC to 42 MHz.
  - High Port: 50 to 1000 MHz.
- Insertion Loss In Passbands
  - Low Port: Less than .75 dB, (DC-40 MHz).
  - High Port: Less than 1 dB (54-1000 MHz).
- Attenuation In Stopbands
  - Either Port: 50 dB minimum, 60 dB typical.
- Passband Ripple:  $\pm 0.25$  dB.