

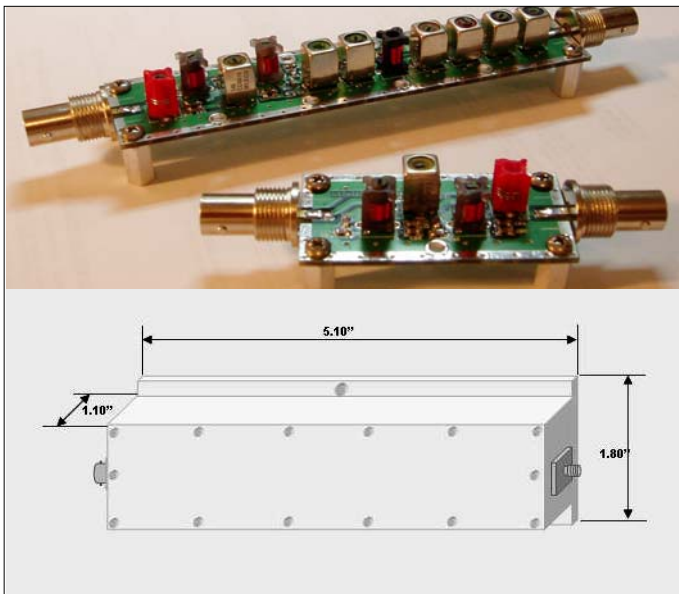
# Communication Passive IF Filter: 140MHz $\pm$ 40MHz Band Pass - Low Loss – very Low Group Delay

## Low Loss, Very Low Group Delay, ALL Passive Band Pass IF Filter for IF Communications

The NWT-FILT140-B80 is a Highly Selective ALL Passive Band Pass Filter for Radio and Satellite Communications. This filter may be PCB mountable or individually housed in a sealed / shielded enclosure, with customer selection of optional 50 $\Omega$  RF connectors. Group delay Equalized, this filter finds its use in demanding MODEM applications.

NewCore also supplies Equalized and Un-Equalized Band Pass Filters. In addition, standalone Equalizers may also be provided.

Contact NewCore for your specific requirements and delivery information.



## Basic Features

- Typical In-Band loss  $\leq 2$ dB
- RF Connectors:
  - 50 $\Omega$ : BNC-F / SMA-F / N-F
  - 50 $\Omega$ : BNC-F / SMA-F / N-M
- Typical Slope  $\leq \pm 0.5$ dB
- Typical (OOB) Out-Of-Band Rejection  $\geq 30$ dB
- 50 $\Omega$  Interface
- Typical In-Band LIN Group Delay  $\leq 2$ ns
- Typical In-Band PAR Group Delay  $\leq 3$ ns
- Typical In-Band Return Loss 20dB
- PCB Mountable or Housed in Sealed/Shielded Enclosure
- No Tuning required

## Benefits

- Simplified Operation
  - Lab Applications
  - Field Applications
  - PCB Mountable
- Reduced Costs
  - Purchased as a Block
  - No Customer Tuning
  - Ease of integration



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Easy to use. Easy to Integrate. Call NewCore today for more Information.