

## DPX Series Diplex Filter

### Toner Diplex Filter DPX-85/1220 and DPX-42/1220

These Diplex Filters are designed for the new DOCSIS 3.1 frequencies but are also compatible with standard 1000 MHz system.

They feature a small compact housing that has a solder back for 120 dB RFI shielding. Two models are available to fit different reverse frequencies 5-85 MHz and 5-42 MHz for use depending on system requirements.

Both models pass to 1222 MHz so they are future proof as systems increase bandwidth.



#### General Specifications

##### Model DPX-85-1220

Impedance: 75  $\Omega$   
 Insertion Loss: (5- 85 MHz)  
 0.85dB (typ)/1.5 dB (Max)  
 Insertion Loss: (105-1220 MHz)  
 1dB (typ)/1.8 dB (Max)  
 Return Loss: (5-85MHz, 105-1220MHz) 18 dB  
 (typ)/ 14dB (min)  
 Isolation: (5-85MHz, 105-1220MHz)  
 50dB (typ) / 45dB (min)  
 Connectors: "F" Female  
 Size: 3-1/2" x 1-3/8" x.5/8"

#### General Specifications

##### Model DPX-42-1220

Impedance: 75  $\Omega$   
 Insertion Loss: (5- 42 MHz)  
 0.85dB (typ)/1.5 dB (Max)  
 Insertion Loss: (54-1220 MHz)  
 1dB(tap)/1.8 dB(Max)  
 Return Loss: (5-42 MHz, 54-1220 MHz)  
 18 dB(typ)/ 14dB(min)  
 Isolation: (5-42 MHz, 54-1220 MHz)  
 50dB(typ) / 45dB(min)  
 Connectors: "F" Female  
 Size: 3-1/2" x 1-3/8" x.5/8"