

Diplex Filter – 5-42/54-1218 MHz



For Broadband International[®] Amplifiers
 and Cisco[®] Amplifiers and Nodes

5-42/54-1218 MHz Diplex Filter Specifications*

		MIN	MAX
Forward Band (MHz)			
Insertion Loss (dB)	54 - 1002 MHz	----	-1.0
	1002 - 1218 MHz	----	-1.5
Response (dB peak-peak)	54 - 1002 MHz	----	0.7
	1002 - 1218 MHz	----	1.2
Return Loss (dB)	54 - 1002 MHz	-20	----
	1002 - 1218 MHz	-16	----
Delay (Δ nS)	55.25 - 58.83 MHz	----	14
	61.25 - 64.83 MHz	----	5

		MIN	MAX
Reverse Band			
Insertion Loss (dB)	5 - 42 MHz	----	-1.0
Out of Band Rejection (dB)	49 MHz	-32.0	-28.0
Response (dB peak-peak)	5 - 42 MHz	----	0.9
Return Loss (dB)	5 - 42 MHz	-20.0	----
Delay Magnitude (Δ nS)	5 - 6.5 MHz	----	2
	40.5 - 42 MHz	----	22

		MIN	MAX
Isolation			
	5 - 42 MHz	-40	----
	42 - 54 MHz	-30	----
	54 - 1002 MHz	-40	----
	1002 - 1218 MHz	-35	----

BBI P/N	Description
214M14254	Mirrored - 5-42/54-1218 MHz
214NM14254	Non-Mirrored - 5-42/54-1218 MHz

*Measurements taken in calibrated test fixture.