

# Band Reject Filter

The Band Reject Filter facilitates the migration to DOCSIS 3.1. The filters combine the needs for the TV packages with the needs for DOCSIS 3.1 data distribution. The TV package filters effectively remove all channels above a certain threshold defined by the operator. And with the need for data DOCSIS 3.1 distribution above the traditional TV band, the band stop filter opens up for transmission at the high frequencies.



Other pass/stop combinations are available upon request.

Type	Item no.:	Data	
BRF 374-550	42485	Pass Stop Pass	5 - 350 MHz 374 - 550 MHz 574 - 1218 MHz
BRF 446-550	42486	Pass Stop Pass	5 - 422 MHz 446 - 550 MHz 574 - 1218 MHz
BRF 510-550	42487	Pass Stop Pass	5 - 486 MHz 510 - 550 MHz 574 - 1218 MHz

	BRF 374-550		BRF 446-550		BRF 510-550	
<b>Pass band 1</b>	5 - 350 MHz		5 - 422 MHz		5 - 486 MHz	
Insertion loss	2.0 dB (typ)	2.5 dB (max)	2.0 dB (typ)	2.5 dB (max)	2.0 dB (typ)	3.0 dB (max)
Return loss	5-320 MHz	>14 dB	5-380 MHz	>14 dB	5-410 MHz	>14 dB
	320-350 MHz	>12 dB	380-422 MHz	>12 dB	410-486 MHz	>12 dB
<b>Stop band</b>	374-550 MHz		446-550 MHz		510-550 MHz	
Rejection	374-540 MHz	>45 dB	446-540 MHz	>45 dB	510-540 MHz	>45 dB
Rejection	540-550 MHz	>35 dB	540-550 MHz	>35 dB	540-550 MHz	>35 dB
<b>Pass band 2</b>	574-1218 MHz					
Insertion loss	2.5 dB (typ) / 3.0 dB (max)					
Return loss	574-630 MHz					>12 dB
	630-1218 MHz					>14 dB
Screening efficiency	Class A (EN 50083-2)					
Housing	Nickel plated Copper					
Connectors	F-male / F-female (EN 61169-24)					
Dimension	Ø 21 mm x L 57 mm					
Weight	48 g					