

Passive Drop Line Conditioner

For Drop and RFoG Applications



with Metal RFI Cover

- Used to compensate the negative tilt caused by long drops
- Great in power supply locations to help condition the status monitoring (DOCSIS 3.0)
- Attenuates forward only in short drop situations
- Helps eliminate distortions in drop amps, STB's and TV tuners
- Allows the technician to attenuate return at customer location
- Easy termination of either port—forward or return
- Ability to add additional linear tilt at output of RFoG for proper insertion into launch amp
- Uses standard JXP style pads and EQs

Introducing the industries' first pad, equalizer and ground block for drop and RFoG applications.

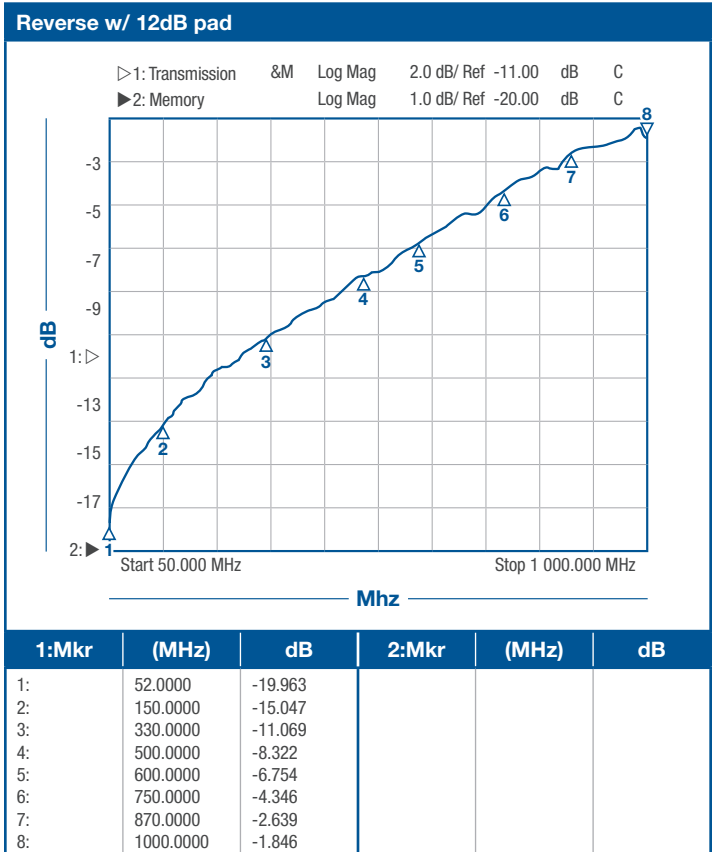
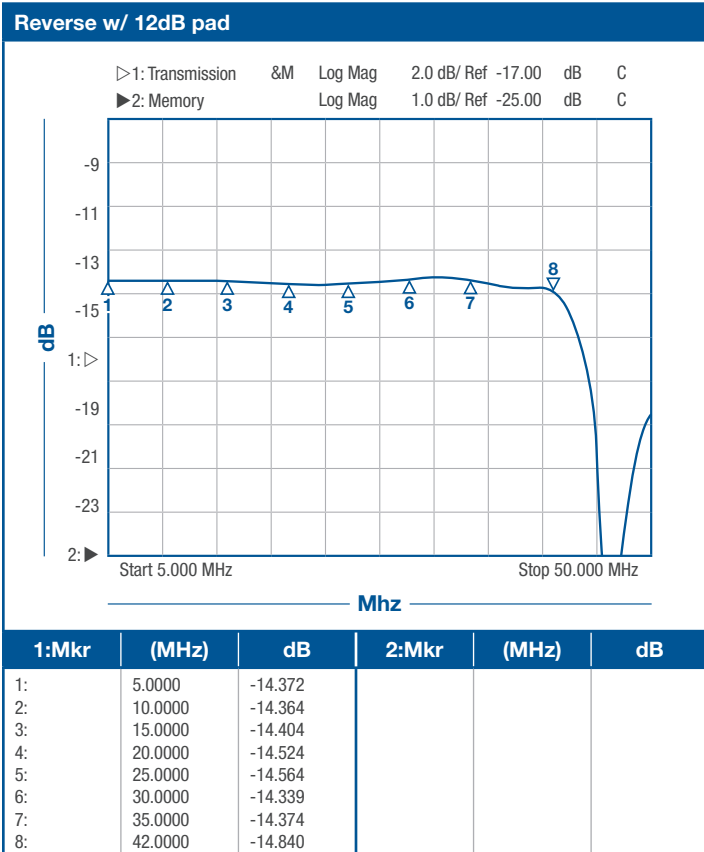
The forward and return bandwidths of the PDLC are split and each are directed independently through a JXP pad socket. The technician is able to select either a pad or equalizer for each, and may also select a jumper (0dB pad) which will allow the forward or return band to pass unaffected.

Return	1001A	1001B	1001C	1201X
Bandwidth:	5-42MHz	5-65MHz	5-85MHz	5-1200MHz (No duplexers)
Insertion Loss:	-2.0dB			
Return Loss:	-18dB or better			
Forward				
Bandwidth:	54-1002MHz	85-1002MHz	108-1002MHz	5-1200MHz (No duplexers)
Insertion Loss:	-0.75dB			
Return Loss:	-18dB or better			
Flatness:	+/- 0.25dB			
General Details				
EMI Shielding (min) (measured with cover on):	110dB			

Mechanical

Dimensions L x W x H (in): 2.22 x 1.54 x 2

Product	Attenuator	Cable Simulator	Forward Equalizer	Forward Equalizer	Linear Equalizer
Detail:					
Color	Blue	White	Light blue	Green	Red
Bandwidth:	5MHz-1GHz	1GHz	870MHz	1GHz	1GHz
Attenuation:	0-20dB	3-15dB (in 3dB steps)	2-24dB	2-20dB	2-12dB



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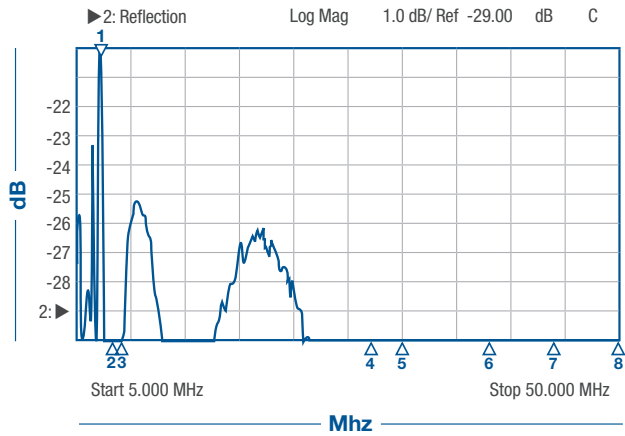
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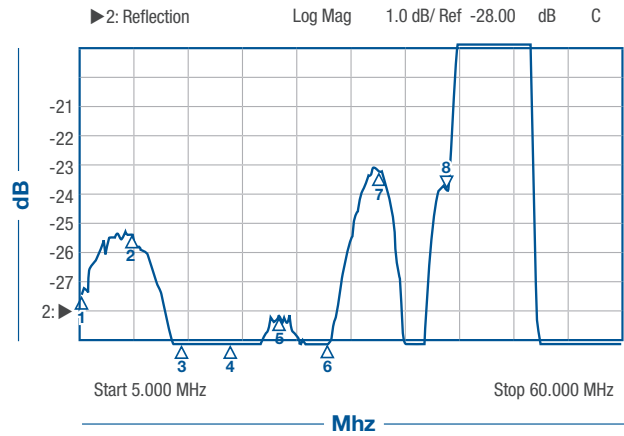


Foward Reflection



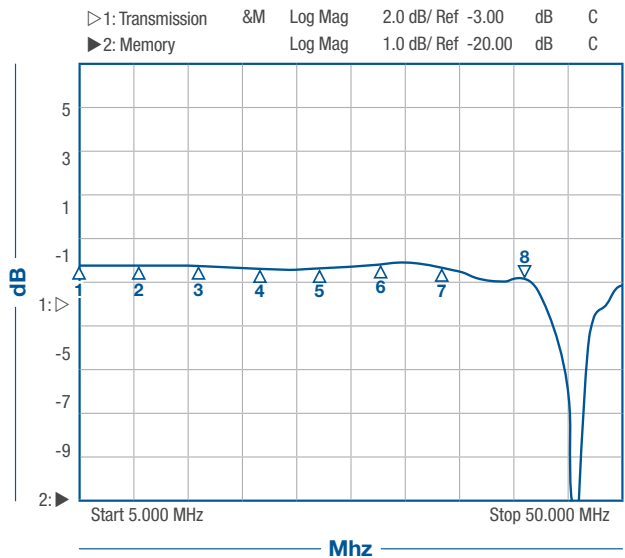
1:Mkr	(MHz)	dB	2:Mkr	(MHz)	dB
1:	52.0000	-65.324	1:	52.0000	-20.344
2:	70.0000	-68.049	2:	70.0000	-35.381
3:	86.0000	-64.324	3:	86.0000	-32.217
4:	550.0000	-60.746	4:	550.0000	-50.747
5:	600.0000	-63.107	5:	600.0000	-40.509
6:	750.0000	-61.895	6:	750.0000	-33.901
7:	870.0000	-67.736	7:	870.0000	-35.482
8:	1000.0000	-72.834	8:	1000.0000	-41.907

Return Reflection



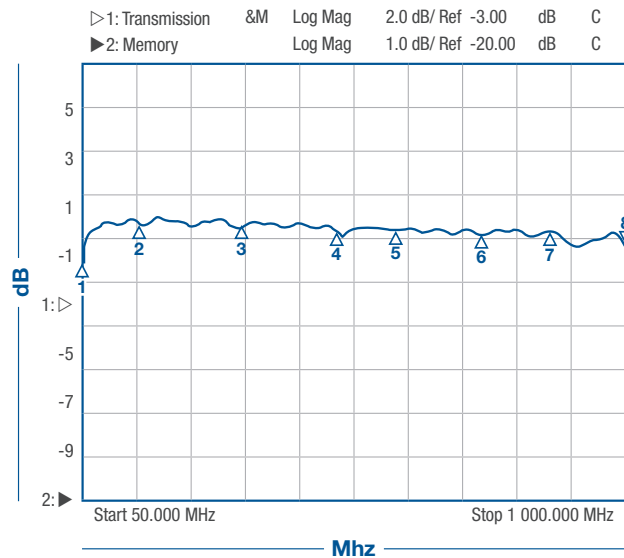
1:Mkr	(MHz)	dB	2:Mkr	(MHz)	dB
1:	5.0000	-66.529	1:	5.0000	-27.428
2:	10.0000	-63.053	2:	10.0000	-25.360
3:	15.0000	-70.902	3:	15.0000	-30.382
4:	20.0000	-66.572	4:	20.0000	-34.706
5:	25.0000	-68.472	5:	25.0000	-28.176
6:	30.0000	-65.262	6:	30.0000	-29.587
7:	35.0000	-62.304	7:	35.0000	-23.168
8:	42.0000	-67.020	8:	42.0000	-23.911

Reverse w/ 0dB pad



1:Mkr	(MHz)	dB	2:Mkr	(MHz)	dB
1:	5.0000	-2.280			
2:	10.0000	-2.248			
3:	15.0000	-2.242			
4:	20.0000	-2.283			
5:	25.0000	-2.311			
6:	30.0000	-2.116			
7:	35.0000	-2.235			
8:	42.0000	-2.839			

Forward w/ 0dB pad



1:Mkr	(MHz)	dB	2:Mkr	(MHz)	dB
1:	52.0000	-2.577			
2:	150.0000	-0.384			
3:	330.0000	-0.543			
4:	500.0000	-0.854			
5:	600.0000	-0.733			
6:	750.0000	-0.908			
7:	870.0000	-0.731			
8:	1000.0000	-1.418			



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