



QR ordering link



Patent No. 9,154,180

Passive Drop Line Conditioner/Balancer

TAKE CONTROL of YOUR DROP!

Introducing the industries' first drop balancer the **PDLC**. Our *Passive Drop Line Conditioner* has two **JXP** style sockets, one for the forward and one for the return. This allows the technician to balance the forward and return independently at a drop or transponder location. Built tough with 6Kv surge protection, rubber pad/EQ guides and comes complete with a RFI shielded cover and zero pads. It is very popular with technicians installing **NEW** Power Supply locations but is also an excellent choice for those unique drop situations. Accessories available are pad values 1 through 20dB, Forward Equalizers, Linear Equalizers and Cable Simulators that come in a multitude of values and frequencies. Also available in 85/108MHz and 65/85MHz splits

- Used to compensate the negative tilt caused by long drops.
- Great in **Power Supply** locations to help condition the Status Monitoring (**DOCSIS modem**)
- Attenuates **Forward only** in short drop situations.
- Help 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. 6Kv surge suppression.

Part Number PDLC-1001A/6KV (42/54MHz)

Accessories include.....



Comes with metal RFI Cover and 0dB pads



1G FEQs



LEQs



870 FEQs



Attenuators



Cable Sims

Attenuators (**blue**)
 Cable Simulator (**white**)
 Forward Equalizers (**Lt. Blue**)
 Forward Equalizers (**green**)
 Linear Equalizers (**red**)

5MHz-1GHz values 0-20dB
 1GHz values 3-15dB (in 3dB steps)
 870MHz values 2-24dB
 1GHz values 2-20dB
 1GHz values 2-12dB

Specifications

Return	
Bandwidth	5-42MHz Return
Insertion Loss	-2.0dB +/- 0.25B
Return Loss	-18dB or better
Forward	
Bandwidth	54-1002MHz Forward
Insertion Loss	0.75dB
Return Loss	-18dB or better
Flatness	+/- 0.25dB

Dimensions (without cover)



Surge Protection
 EMI Shielding (Min) * 110dB
 *(measured with cover on)

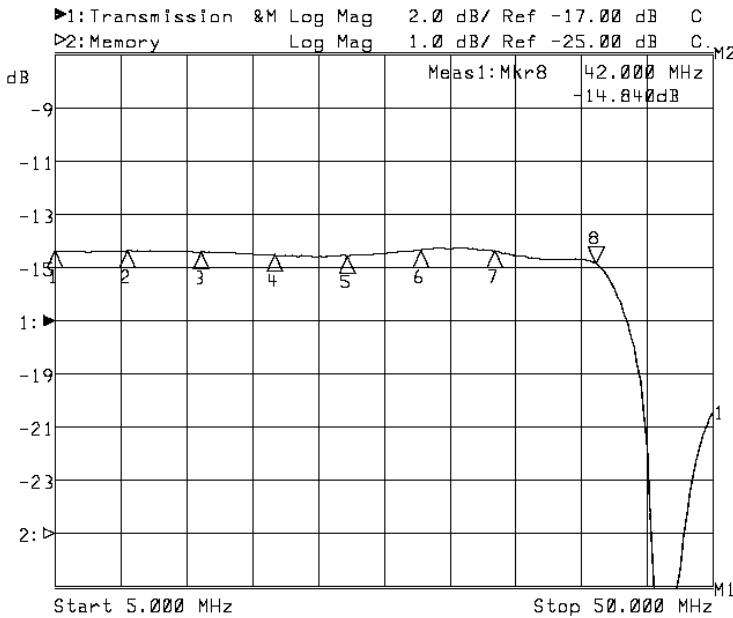
6KV B3



Patent No. 9,154,180

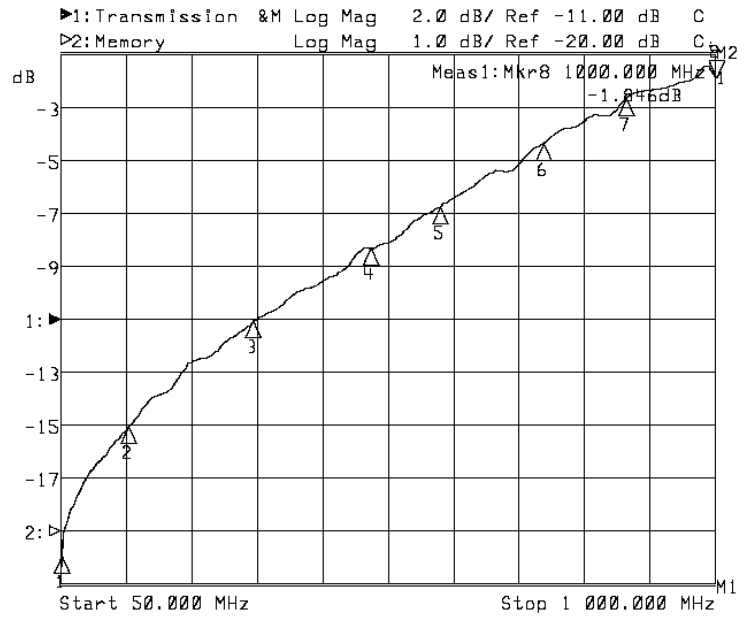
Passive Drop Line Conditioner

Reverse w/12dB pad



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1:	5.0000		-14.372
2:	10.0000		-14.364
3:	15.0000		-14.404
4:	20.0000		-14.524
5:	25.0000		-14.564
6:	30.0000		-14.339
7:	35.0000		-14.374
8>	42.0000		-14.840

Forward w/18dB EQ



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1:	50.0000		-19.963
2:	150.0000		-15.047
3:	330.0000		-11.069
4:	500.0000		-8.322
5:	600.0000		-6.754
6:	750.0000		-4.346
7:	870.0000		-2.639
8>	1000.0000		-1.846



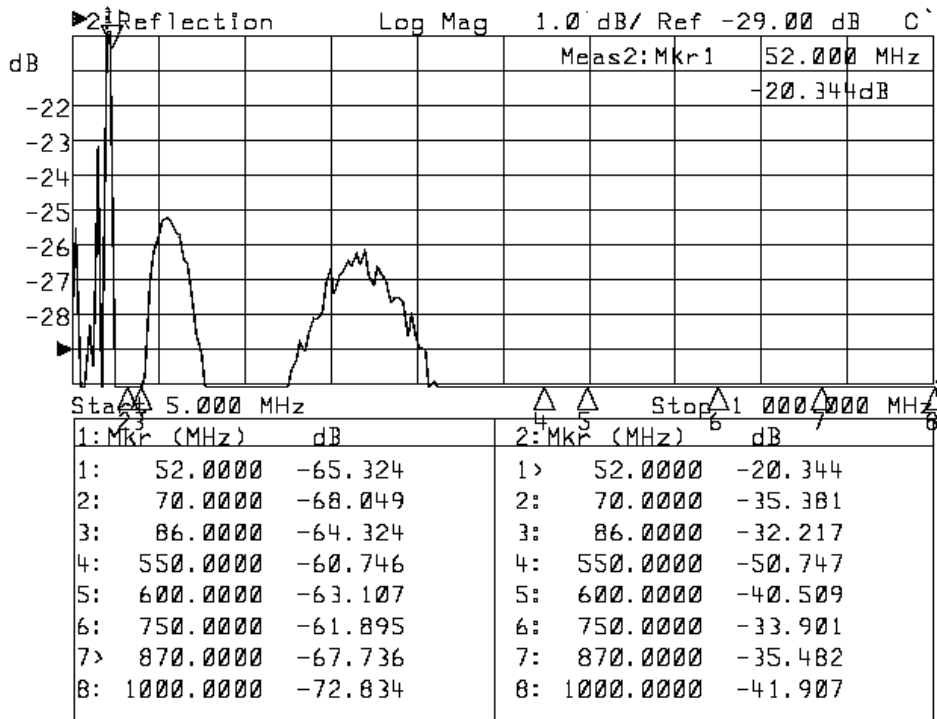
PDLC specifications sheet





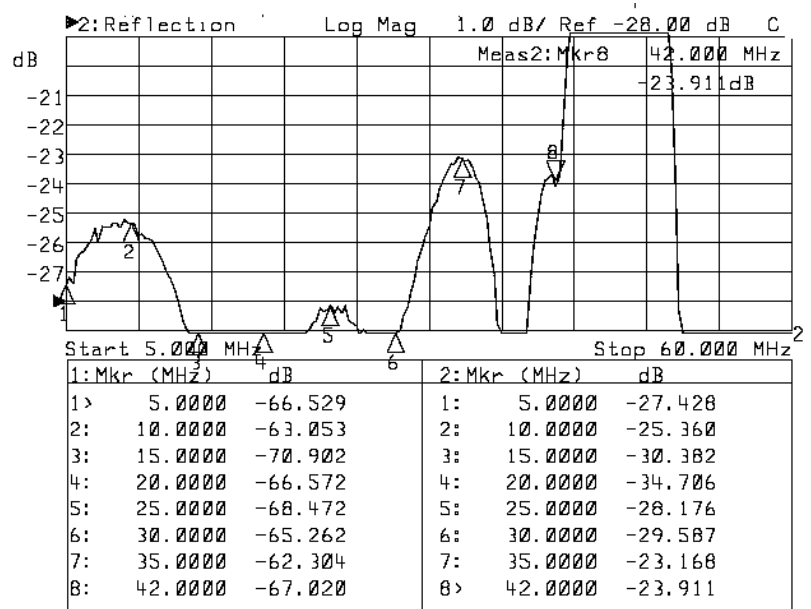
Patent No. 9,154,180

Passive Drop Line Conditioner



Forward Reflection

Return Reflection

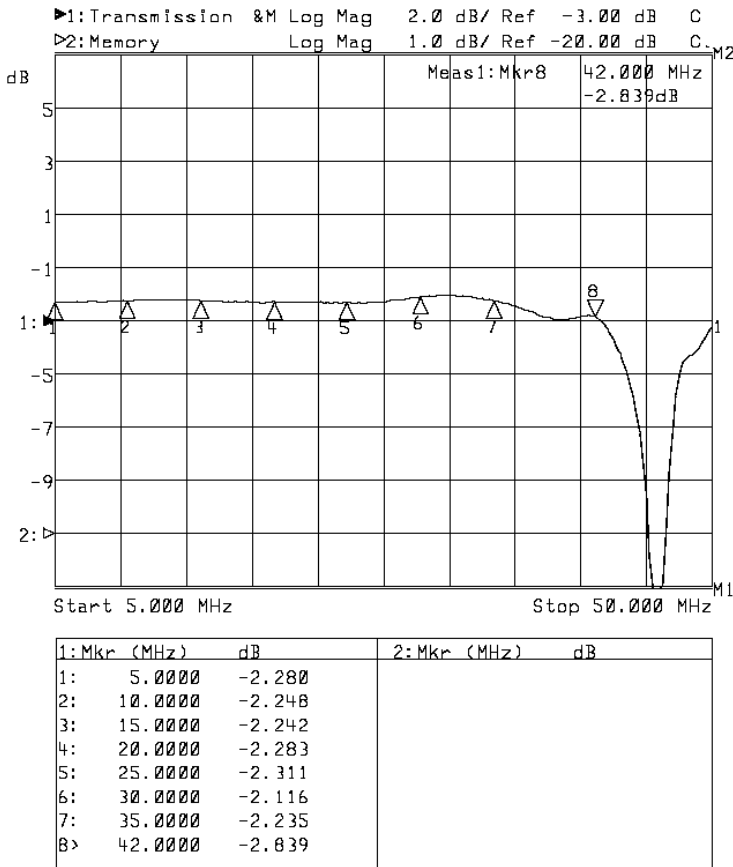




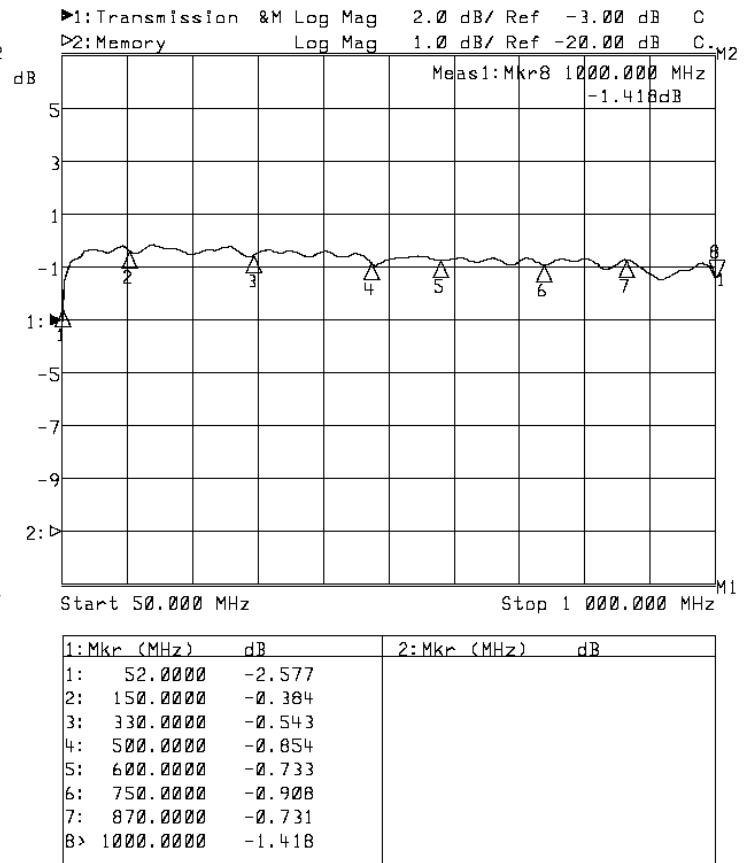
Patent No. 9,154,180

Passive Drop Line Conditioner

Reverse



Forward



With 0dB Pad

With 0dB Pad

