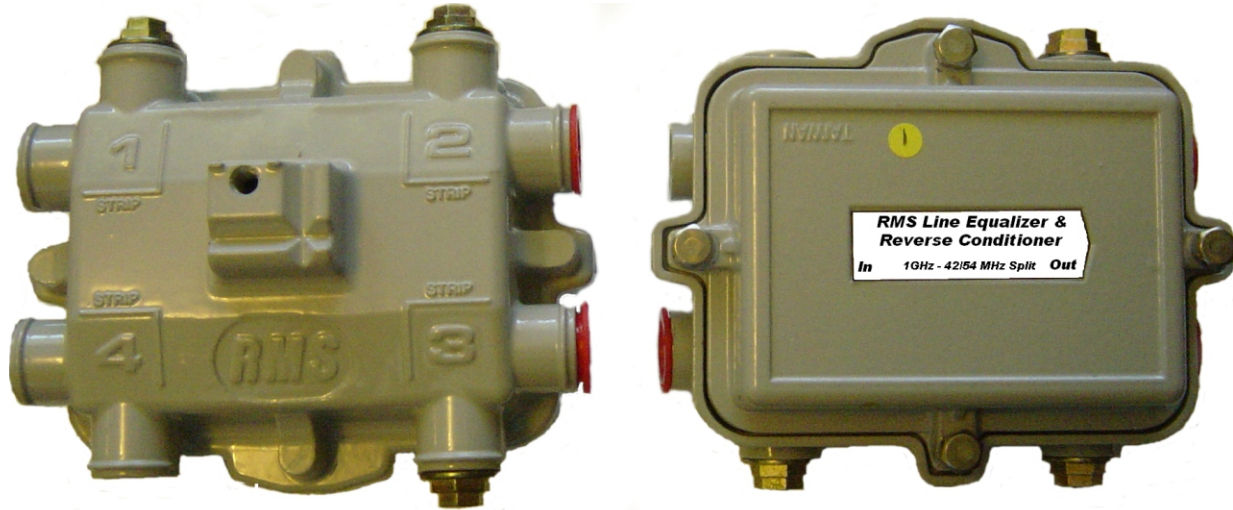




LEQ/RC-XX Multimedia Line Equalizer & Conditioner



RMS Line Equalizers & Reverse Conditioners are designed work in both the forward and reverse path. In the forward path they can compensate for any tilt problems that might occur because of cable runs and passive losses. Therefore allowing RF levels to be maintained. In the reverse path, they allow levels to be structured for optimal performance with the use of plug in attenuators.

Features:

- Bandwidth 5MHz to 42MHz/54MHz - 1GHz
- RFI Shielding >-110dB
- Heavy duty power passing choke
- Glass epoxy PCB (FR4-G10) with protective cover
- 90 degree swivel blocks for easy installation in aerial or pedestal applications
- Fixed 9 or 11dB forward equaizers
- Stainless steel hardware
- Strip gauges on housing and heat shrink ridges on 5/8-24 ports
- Dual heavy-duty neoprene and wire mesh gaskets for total protection
- 360 die cast aluminum housing & plate that has been sealed & chromated
- Interlocking tongue/groove housing and faceplate (excellent RFI isolation)
- Laminated ID label
- Ports numbers die cast into housing
- Attenuators available 1dB to 11dB
- 100% Quality control at our factory
- CE approved

RMS Communications Inc

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LEQ/RC-XX Multimedia Line Equalizer & Conditioner

Performance Specifications

RMS -LEQ/RC-XX

Parameter	Freq - MHz	Bypass -Mode		9dB Equalization Mode		11dB Equalization Mode	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
Bandwith Split	-----	42/54MHz		42/54MHz		42/54MHz	
Cable Equalization (dB)	54 - 1000MHz	None		9dB		11dB	
Insertion Loss	5	0.5	0.9	0.5	1.0	0.5	1.0
" " "	10	0.4	1.0	0.4	1.0	0.4	1.0
" " "	40	0.8	1.0	0.8	1.0	0.7	1.0
" " "	42	0.9	1.3	0.9	1.3	0.9	1.3
" " "	54	1.2	1.3	8.8	9.6	10.6	11.5
" " "	100	0.6	1.3	8.2	9.1	9.8	10.4
" " "	450	0.8	1.4	5.6	6.1	5.8	6.8
" " "	550	1.0	1.4	4.6	5.2	4.7	5.8
" " "	650	1.1	1.6	3.8	4.6	4.0	5.0
" " "	750	1.1	1.9	3.2	3.9	3.3	4.3
" " "	870	1.4	2.0	2.3	3.2	2.7	3.5
" " "	890	1.5	2.1	2.4	3.1	2.6	3.4
" " "	1000	1.9	2.2	2.4	2.7	2.5	2.7

Parameter	Freq - MHz	Bypass -Mode		9dB Equalization Mode		11dB Equalization Mode	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
Return Loss	5 - 10MHz	17	16	17	15.5	17	15.5
" " "	11 - 42MHz	19	16	19	16	20	16
" " "	54 - 1000MHz	20	16	18	16	18	16

Parameter	Freq - MHz	Bypass -Mode		9dB Equalization Mode		11dB Equalization Mode	
		Typical	Maximum	Typical	Maximum	Typical	Maximum
Flatness	5 - 42MHz	+/- 0.3	+/-0.7	+/-0.3	+/-0.7	+/-0.3	+/-0.7
	54 - 1000MHz	+/-0.5	+/-0.8	+/-0.4	+/-0.55	+/-0.4	+/-0.55
Power Passing	15 Amps Continuous						
Hum Modulation & 12A	5 - 10MHz	60	60	60	60	60	60
	11 - 1000MHz	65	65	65	65	65	65

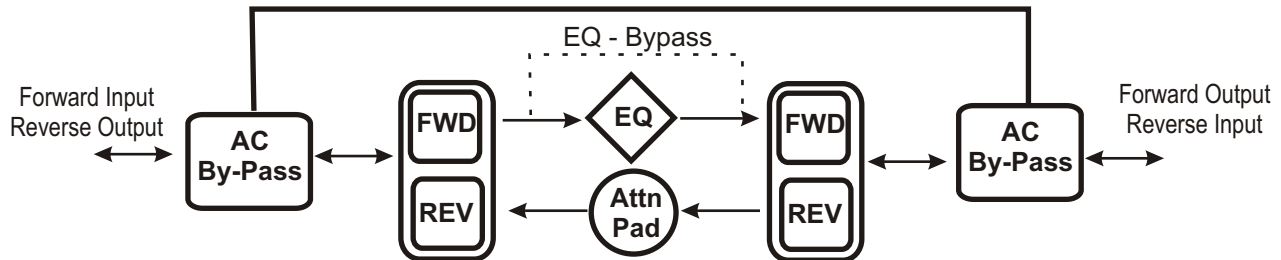
Notes

Typical Delay (54 - 1000MHz) - 55.25 - 58.83 = 15ns & 61.25 - 64.83 = 7ns

Typical Delay (5 - 42MHz) 5.0 - 6.6 = 40ns, 6.5 - 8.0 = 20ns, 8.0 - 9.5 = 9ns, 37.5 - 39.0 = 8ns, 39.0 - 40.5 = 8ns & 40.5 - 42.0 = 18ns

Optional Plug In Attenuators: 0dB, 1dB, 2dB, 3dB, 4dB, 5dB, 6dB, 7dB, 8dB, 9dB, 10dB, 11dB, 12dB, 13dB, 14dB & 15dB

Note: Specifications are subject to change



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