

CEW-R-xx



- Complete set of wideband equalisers
- Suitable for in customer premises and street cabinets
- CPD Safe - Tin-Nickel housing and F-inner spring
- Tin-Nickel plated brass F-female input port
- F-male output port with rotating nut
- Exceeds EN Class A screening requirements



Overview

The CEWs are a range of wideband (5 – 1006MHz) equalizers for CATV networks. The equalizers compensate for the tilt that is introduced by coaxial cable. This tilt is introduced as higher frequencies have higher attenuations than lower frequencies.

Tin-Nickel plated housing and brass input connectors provide a robust housing which is suitable for customer premise and street cabinets.

A rotating nut output connector ensures that the unit can be tightened as required without the need to disturb the input connection.

CPD Safe

CPD (Common Path Distortion) is well known for producing signal interference on networks. It is caused by electrolytic corrosion or the oxidation of dissimilar metals when in close contact. This series protects against CPD with its Tin-Nickel plating.

- Removes a primary cause of CPD
- Reduces signal interference on the network
- Drives fewer reported faults
- Reduces truck rolls
- Improves customer service

Specifications

		MHz	1dB		2dB		3dB		4dB		6dB		9dB		12dB	
			Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
Frequency range		5 - 1006														
Insertion loss (dB)		5	1.2	1.4	2.3	2.4	3.2	3.4	4.4	4.5	6.4	6.5	9.3	9.5	12.2	12.7
		250	0.9	1.3	1.6	1.9	2	2.4	2.9	3.3	4.2	4.9	5.8	6.2	7.7	8.4
		500	0.8	1	1	1.3	1.4	1.6	1.9	2.1	2.6	2.9	3.5	3.4	4.6	4.7
		750	0.5	0.8	0.6	0.8	0.8	0.9	1.1	1.2	1.3	1.4	1.7	1.6	2.5	2.6
		862	0.3	0.7	0.4	0.6	0.4	0.7	0.7	0.9	0.8	1	0.9	1.1	1.6	1.5
		1006	0.2	0.6	0.3	0.5	0.2	0.6	0.3	0.7	0.2	0.7	0.2	0.7	0.4	0.7
Return loss (dB. min) ¹	Input/output	5 - 1006	18.0		18.0		18.0		18.0		18.0		18.0		18.0	
Screening efficiency (dB. typ). Minimum exceeds Class A. ²		5 - 300	85.0		85.0		85.0		85.0		85.0		85.0		85.0	
		300 - 470	80.0		80.0		80.0		80.0		80.0		80.0		80.0	
		470 - 1006	75.0		75.0		75.0		75.0		75.0		75.0		75.0	
Connectors	In/Out Out/In Minimum tightening torque withstand without damage Survival torque force (min.)									F-female F-male 4.52 Nm 8.0 Nm						
Material	Body Lid F-Female									Nickel-plated zinc die cast Tin-plated mild steel Tin-nickel-plated brass						
Impedance (Ohm, typ)										75						
Dimensions (mm)	L x H x D									58.8 x 16.4 x 12.0						
Equipment Approval	CE															

Remarks

- Where frequency is above 40 MHz, deduct 1.5 dB/Octave
- Class A EMC according EN 50083-2:2012

Ordering information

Item Name	Article number
CEW-R-1	19005502
CEW-R-2	19005503
CEW-R-3	19005504
CEW-R-4	19005505
CEW-R-6	19005506
CEW-R-9	19005507
CEW-R-12	19005508

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