

C-EQU1500HP15

Cable Equalizer

Features

- compact design
- robust mechanic
- lead free

Applications

- signal distribution systems
- cable equalization



Overview

In-house installations (such as broadcast signal distribution systems) often require long RF cable routes. As a result, the higher frequencies are attenuated compared to lower frequencies. C-EQU was designed to compensate this issue. It is a valuable addition to the wideband signal distribution unit WSDU for factory installations with extended cable routes.

Suitable for All Broadcast Standards

The wide frequency range covers AM/FM, DAB, DVB-T and all GNSS frequencies such as GPS. GLONASS and GALILEO.

Easy Installation

The compact design and low weight of C-EQU allows mounting the equalizer directly to the SMA connectors on the rear side of the WSDU components. The small diameter also enables installation inside cable ducts. A SMA female to male adapter is included in delivery.

Individual Equalization

Further equalizer types are available on demand.

RF Specifications

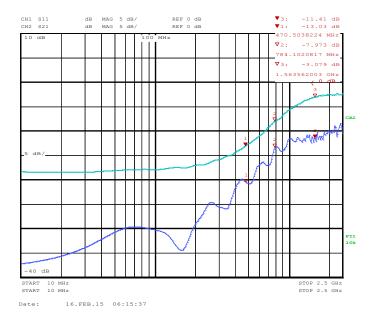
Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
impedance	Z _{in} / Z _{out}		50		Ohm	
low frequency	f _{min}		0		Hz	
high frequency	f _{max}	2500		4000	MHz	
return loss	S ₁₁ , S ₂₂		-15		dB	
insertion loss	S ₂₁		-18		dB	FM Band, f _c = 100 MHz
	S ₂₁		-17		dB	DAB-3 Band, $f_c = 200 \text{ MHz}$
	S ₂₁		-8		dB	DVB-T Band, f _c = 780 MHz
	S ₂₁		-3		dB	GNSS Bands, f _c = 1575 MHz
3 rd order intercept	OPIP3 ¹	46			dBm	f < 1000 MHz
	OPIP3 ¹	42	44		dBm	f > 1000 MHz
RF connectors		SMA female				

Note 1: tested at Pout 2 x +20 dBm

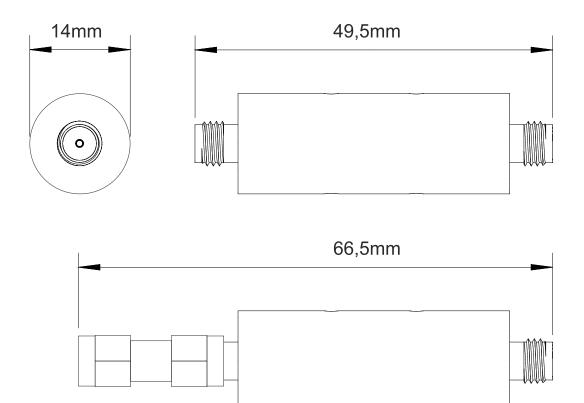
Common Specifications

Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
dimensions	LxWxH	approx. 50 x 14		mm	length and diameter	
weight			20		g	
operating temp. range	T _o	+5		+60	°C	
storage temp. range	Ts	-40		+70	°C	
ordering Information		C-EQU1500HP3 1407.5		5002.1		
included accessories		adapter SMA/SMA male				

S-Parameters (typical responses)



Mechanical Drawing



Related Products

Product	Description	P/N
WSDU1X8	8 Way Multicoupler 100 kHz 4000 MHz	1202.6100.1