

DATA-TV Filter Galvanic Isolator

41144 | DVU 1-4 GI LTE



INTRODUCTION

The DKTCOMEGA galvanic isolator provides isolation between the neton the wire to cause damage of the networking equipment as well as household equipment. At the same time the galvanic isolator provides a low insertion loss on the return path data, enabling an error free data communication. The galvanic isolator is suitable for DOCSIS 3.1 networking infrastructure, is easy to install and is transparent to the network. To prevent ingress noise from LTE etc. there is an LTE 790 MHz low pass filter on TV port.

The connectors are all female F-connectors.

Additional information

- Galvanic isolation according to EN60728-11, i.e.
 - test voltage 2120Vdc, 1 minute, current <0.7mA.
 - test voltage 230VAC (50Hz or60Hz) leakage current <8mA
- Screening immunity according to EN 50083-2, Class A

PRODUCT OVERVIEW

“41144 DVU 1-4 GI LTE”

Parameter	FREQUENCY [MHz]	DVU 1-4 GI LTE	
Insertion loss [dB]	IN-DATA	5 – 204	<1
		258 – 1300	4 (typ)
	IN-TV	258 – 720	4 (typ)
		720 – 790	<7.5
Isolation [dB]	IN-TV	820 – 1300	<40
		5 – 204	<45
	TV-DATA	5 – 204	<45
		258 – 822	<20
Return loss [dB]	IN, DATA	822 – 1300	<40
		5 – 204	18
	TV	258 – 1300	18 ¹⁾
		258 – 790	16

Item No.

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¹⁾ -1.5dB/oct, minimum 10dB