

REMOTE POWER FILTERS AND EQUALIZERS

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COAX NETWORKS

DATASHEET

INTRODUCTION

Even in the case of a removed faceplate of the basic housing, the remote power filters and equalizers assure an uninterrupted service. This is thanks to the AC/RF bypass switch in the loop, so you can change the plug-in module. The basic housing consist of a watertight aluminium alloy with PU coating (IP65) and has passed a waterproof condition with 15 PSI. The power passes to the loop with 12 A at 65/90 VAC to the loop (IN - OUT). Furthermore, the filters have a surge protection with 6 kV 1.2/50 μ s.



All power filters and equalizers have a high screening according Class A.

* Mounting angle is not included (please see on the last page)

PRODUCTS

- 3 **REMOTE POWER RATING
HIGH PASS FILTERS
IN MODULAR CONCEPT**
 “DCM-HFxx series”

- 4 **REMOTE POWER RATING
LINE EQUALIZER
IN MODULAR CONCEPT**
 “DCM-65EQ-xx series”

- 5 **BASIC HOUSING**
 “FSP-DCM-xxx series”

- 6 **MOUNTING ANGLE FOR
OUTDOOR PASSIVES**
 “LRE-TRE MOUNTING ANGLE”

REMOTE POWER RATING HIGH PASS FILTERS IN MODULAR CONCEPT

PRODUCT OVERVIEW

“DCM-HFxx series”

Plug-in module high pass filters

Parameter	DCM-HF30	DCM-HF85
Pass band [MHz]	30 - 1000	84 - 1000
Through loss [dB]	$\leq 1.5 \pm 0.5$	$\leq 1.5 \pm 0.5$
Stop band [MHz]	5 - 25	5 - 65
Rejection [dB]	> 50	> 50
Return loss [dB]	> 16	> 16
Item No.	40974	40975

ADDITIONAL INFORMATION

- Flexible configuration of high pass filter via plug-in modules DCM-HFxx
- Hum modulation distance at 10 A/90 VAC -60 dB average
- All connections are 5/8" threads
- 100 dB min. RFI isolation



REMOTE POWER RATING LINE EQUALIZER IN MODULAR CONCEPT

PRODUCT OVERVIEW

“DCM-65EQ-xx series”

Plug-in module equalizers

Parameter	Frequency [MHz]	DCM-65EQ-3G	DCM-65EQ-6G
Through loss [dB]	5 – 60	0.9 ± 0.6	0.9 ± 0.6
	60 – 65	1.8 ± 0.7	1.8 ± 0.7
	85 – 1006	$5 \pm 0.75 - 2 \pm 0.75$	$8 \pm 0.75 - 2 \pm 0.75$
	1006 – 1218	$2 \pm 0.75 - 1.8 \pm 1$	$2 \pm 0.75 - 1.8 \pm 1$
Return loss [dB]		> 16	> 16
		40978	40979

Plug-in module equalizers

Parameter	Frequency [MHz]	DCM-65EQ-9G	DCM-65EQ-12G
Through loss [dB]	5 – 60	0.9 ± 0.6	0.9 ± 0.6
	60 – 65	1.8 ± 0.7	1.8 ± 0.7
	85 – 1006	$11 \pm 0.75 - 2 \pm 0.75$	$14.5 \pm 0.75 - 2 \pm 0.75$
	1006 – 1218	$2 \pm 0.75 - 1.8 \pm 1$	$2 \pm 0.75 - 1.8 \pm 1$
Return loss [dB]		> 16	> 16
Item No.		40980	40981

ADDITIONAL INFORMATION

- Flexible configuration of the equalizer via plug-in modules DCM-HFxx
- Hum modulation distance at 10 A/90 VAC -70 dB average
- All connections are 5/8" threads
- 100 dB min. RFI isolation



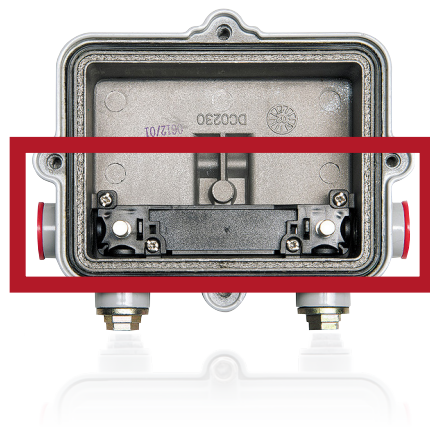
BASIC HOUSING

PRODUCT OVERVIEW

“FSP-DCM-xxx series”

Basic housing

Parameter	FSP-DCM-HPF	FSP-DCM-EQ
Basig housing for...	40974, 40975	40978-40981
Dimensions [mm]	144 x 118 x 75	144 x 118 x 75
Item No.	40977	40982

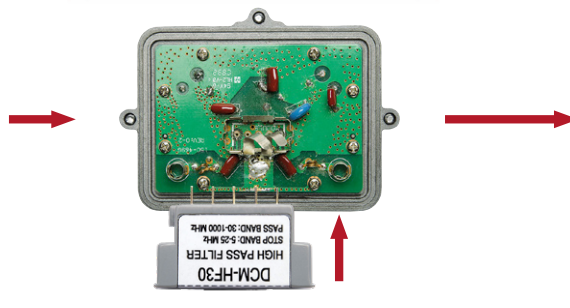


UNINTERRUPTED AC & RF TRANSMISSION IN THE LOOP

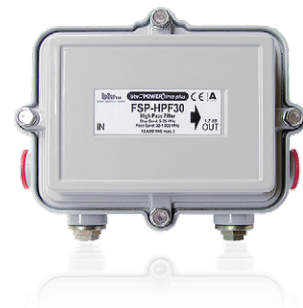
An integrated power passing bar between in- and output provides an uninterrupted AC and RF signal forwarding to the downstream network.



1. Remove the cover from the housing



2. Insert the DCM module as shown into the plug-in socket. The direction of the modules is guided by a guide rail on the plug-in socket.



3. Mount the cover onto the housing and paste the matching sticker for identification of the high pass filter onto the label.

MOUNTING ANGLE FOR OUTDOOR PASSIVES

LRE-TRE MOUNTING ANGLE

For items 40974,40975 and 40978-40982

Item No. 40976

