



Outdoor TV demixer

broadband and channel inputs LK series

art. 23-043
DEMIX-LK10 Can.

This outdoor TV demixer is ideal with a multiband amplifier with band 4 and 5 inputs when it is necessary to receive a channel of band 4 (e.g. ch. E25) from the direction of band 5 channels, amplify it and move it on the band 4 input of the multiband amplifier.

Equipped with two inputs and two outputs:

- input 1, where signals of band 5 and ch. E25 are received
- input 2, where signals of band 4 are received, except ch. E25
- output 1, with signals of band 5
- output 2, with signals of band 4 + ch. E25, 10 dB amplified, coming from input 1.

On input 2 there is a trap to block the corresponding interfering signal on ch. E25. It is realized to avoid that adjacent channels (ch. E24 and E26) are subject to deterioration. The presence of three resonant cavities (instead of two) makes the channel filter more selective.

Each output allows remote power supply passage on the corresponding input.

Remote power supply on output 2 is always moved on input 2, while remote power supply passage from output 1 to input 1 is controlled by a switch.

On demand, available with a coaxial attenuator as level regulator on one or both input connectors (require respectively variant A1 or A2).

When ordering you must specify the desired UHF channel (e.g. ch. E25) and, if you require variant A1, on which input apply it.



Characteristics

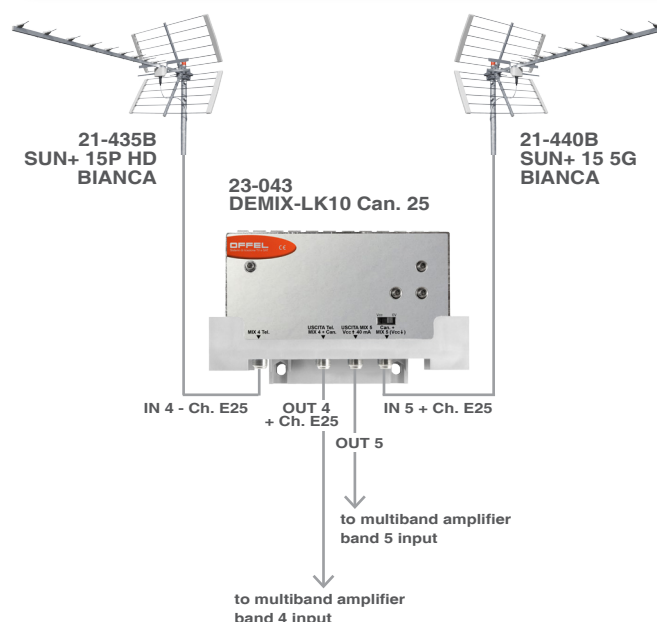
- Filtered and amplified channel
- Channel filter with three resonant cavities
- Corresponding trap on band 4 input
- Shielded housing with screw F-type connectors
- Equipped with remote power supply passage between each output and corresponding input.
- Fixing accessory suitable for masts up to Ø 60 mm included

Code	23-043	
Item	DEMIX-LK10 Can.	
No. of inputs	2	
No. of outputs	2	
Band 4 input frequency	MHz	470 ÷ 662
Band 5 input frequency	MHz	558 ÷ 790
Ch. UHF gain	dB	8/10
Max output level*	dBµV	117
Band 4 insertion loss	dB	2/4
Band 5 insertion loss	dB	2/4
Channel bandwidth	MHz	8
Channel selectivity	dB	> 25
Absorbed current	mA	40
Power supply	Vdc	12÷15
Connectors	screw F-type	
Dimensions (LxWxH)	mm	142x60x130
Packaging dimensions (LxWxH)	mm	145x60x140
Packaging weight	Kg	0,6
Fit temperature	°C	-10 ÷ +55
Compliant to	EN 55083-2, EN 60065	

* Maximum output level measured with the method IM3 -35dBc 2 tones.

Technical data refer to a temperature of 25 °C

Example of application



Rev. 1 09.2022

