

RANGE OF FILTERS AGAINST LTE INTERFERENCES

All solutions for all cases

These filters attenuate the LTE/4G signals passing through the antenna towards active devices susceptible of being affected by them.

Its cutoff frequency as well as its connectorization have to be chosen according to the on site DTT channels and devices to be protected.

- Stability of parameters.
- Minimum insertion losses.
- High isolation.
- Comprehensive range with different connectors.
- They are adaptable to the on-site DTT channels.

Microcavities filters are designed to generate the minimal insertion losses in the pass band and thus do not modify the design characteristics of the antenna installation.

REF	DESCRIPTION	CODE EAN 13
Filters with F connectors		
403101	FILTER LTE "F" 470...774 MHz (CH 21-58)	8424450154564
403401	FILTER LTE "F" 5...790 MHz, SELECTIVE	8424450154571
Pluggable filters with IEC connectors (blister pack)		
404411	FILTER LTE "IEC" 470...774MHz (CH 21-58)	8424450167823
404412	FILTER LTE "IEC" 5...790MHz SELECTIVO	8424450167830
Masthead filters with connection easyF		
405101	FILTER LTE "EasyF" 470...774 MHz (CH 21-58)	8424450154588
405401	FILTER LTE "EasyF" 5...790 MHz, SELECTIVE	8424450154595
Filters based on micro-cavities		
403301	FILTER MICROCAVIT.LTE "F" 5...790 MHz SELECT	8424450165560
403302	FILTER MICROCAVIT.LTE "F" 5...782 MHz SELECT	8424450166161

LTE/4G FILTERS

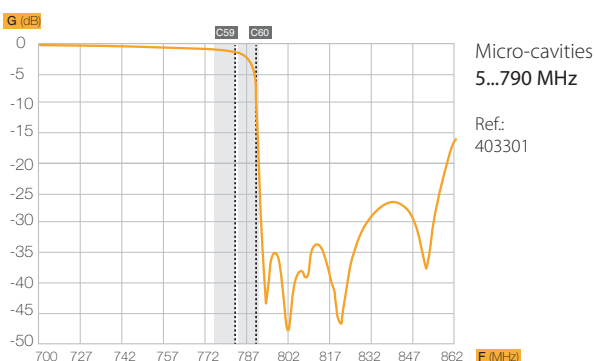
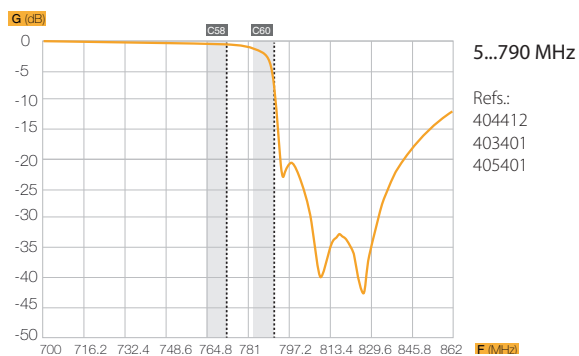
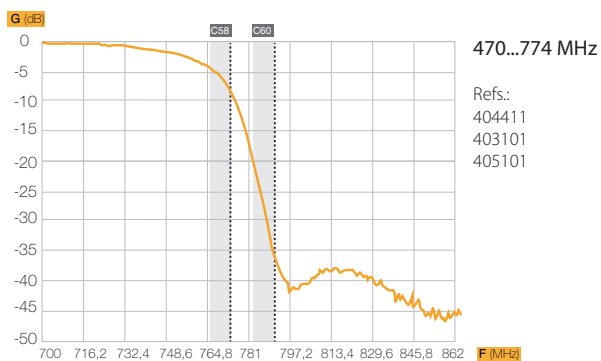
MINIMUM INSERTION LOSSES, HIGH ISOLATION



TECHNICAL SPECIFICATIONS

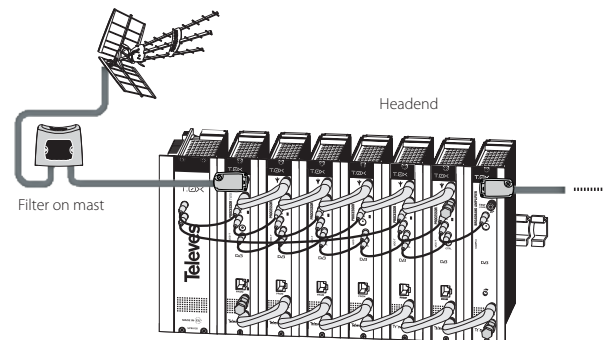
Reference	404411	403101	405101	404412	403401	405401	403301	403302
Connector type	IEC	F	EasyF	IEC	F	EasyF	F	F
Filter type	LC						micro-cavities	
Pass band	MHz		470 - 774		5 - 790		5 - 790	5 - 782
Pass band attenuation	dB		1		1		0,5	0,5
Attenuation at the upper end of the pass band	dB		7		6		2	1
Rejected band	MHz		791 - 862		791 - 862		793 - 821	793 - 821
Rejected band attenuation	dB		>25		>20		>20	>35
Dimensions (W x H x D)	mm		64 x 34 x 22,5	88 x 79 x 42	64 x 34 x 22,5	64 x 34 x 22,5	97 x 75 x 26	
Protection level	IP		20	23	20	23	20	

FREQUENCY RESPONSE

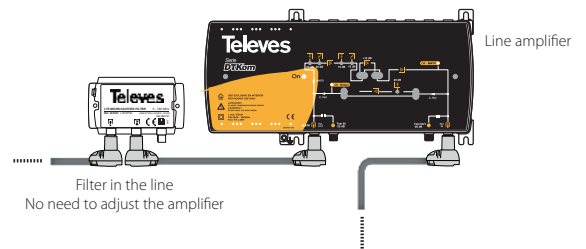


EXAMPLES OF APPLICATION

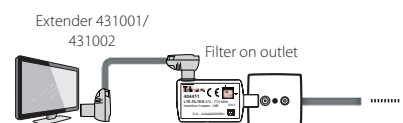
Filter EasyF



Filter of microcavities



Plugable filter



The use of a LTE filter depends on how much the antenna installation can be interfered by the telephone signals LTE/4G.

There are multiple factors involved, from the proximity of the telephone transmitter until coaxial cable conditions.