



## Lte 790 filter

### Product introduction

With the introduction of the 4<sup>th</sup> generation mobile networks (LTE), the frequency range from 791 MHz and upwards might be filled with signals that can disturb the reception of terrestrial and CATV signals.

The LTE-790 filter effectively removes the disturbing LTE signals while still allowing up to channel 60 (782-790 MHz) to pass.

To suit the variety of consumer installations the LTE-790 filter is available in three housings, see the type no. and item no. in the table below. E.g. for installation at the antenna there is a housing with F-connectors (LTE 790T), and for installation next to the TV-set there are two versions with IEC connectors, one straight (LTE-790-IEC-S), and one with an angle (LTE-790-IEC-A) for installation behind a flat screen TV.

### Technical specifications

		Typical data
Passband		0.3-790 MHz
Insertion loss	0.3 - 700 MHz	≤ 1.5 dB
Insertion loss	700 - 790 MHz	≤ 4.3 dB
Return loss	5 - 700 MHz	≥ 12 dB
Return loss	700 - 790 MHz	≥ 10 dB
Stop band		822 - 2200 MHz
Rejection	822 - 2200 MHz	≥ 45 dB
Screening effectiveness	EN-50083-2	Class A
Impedance		75 Ω
Power passing		24 V 0.5 A DC
Dimensions		16 (Ø) x 68 (L) mm
Weight		35 g
Operating temperature		-20°C - +60°C

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CLASS

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DKTCOMEGA

Type no.	Item no.	Connectors
LTE 790T	42462	F-male to F-female
LTE 790-IEC-S	42464	IEC-male to IEC-female
LTE 790-IEC-A	42465	IEC-male-angled to IEC-female



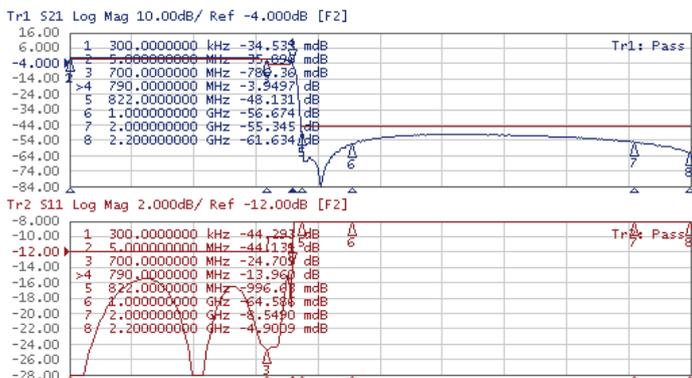
LTE 790T



LTE 790-IEC-S



LTE 790-IEC-A



### Advantages

- Very high rejection of LTE/4G signals
- Sturdy housing
- Connects directly to TV