

# Fixed-value cable simulators and UHF de-emphasis equalizers



53130300  
KS-862/3



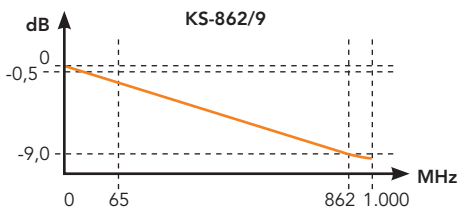
53120800  
UHF-EQ-862/8

KLASSE  
**A**  
CLASS

## Fixed-value cable simulators 5 – 1.000 MHz in F-technique

- For emulation of a frequency-dependent cable slope in the forward way (balancing of a preemphasis)
- Cable simulator range from 5 – 862/1.000 MHz, non-linearity at all items in the reverse path 5 – 65 MHz  $\leq$  0,5 dB
- F-male and F-female connectors
- Small, round metal housing with integrated HEX 11 nut
- Very high return loss

Parameter	KS-862/3	KS-862/6	KS-862/9	KS-862/12
Cable simulation progression [dB] 5 ... 862 ... 1.000 MHz	0 ... 3,0 ... 3,5 $\pm$ 0,5	0 ... 6,0 ... 6,5 $\pm$ 0,5	0 ... 9,0 ... 9,5 $\pm$ 0,5	0 ... 12,0 ... 12,7 $\pm$ 0,5
Return loss [dB typ.]	> 20	> 20	> 20	> 20
Return loss [dB min.]	> 18	> 18	> 18	> 18
Diameter [mm]	13	13	13	13
Length [mm]	46	46	46	46
Order No.	53130300	53130600	53130900	53131200



## UHF de-emphasis equalizer 450 – 862 MHz in F-technique

- For compensation of the UHF pre-emphasis of C-amplifiers in 862 MHz CATV-networks
- Frequency range DC – 450 MHz almost linear and 450 – 862 MHz with de-emphasis characteristics
- F-male and F-female connectors
- Small, round metal housing with integrated HEX 11 nut
- With DC power pass 50 VDC/300 mA
- Very high return loss

Parameter	UHF-EQ-862/5	UHF-EQ-862/8	UHF-EQ-862/10	UHF-EQ-862/13	UHF-EQ-862/16	UHF-EQ-862/19
Through loss [dB] DC ... 450 MHz	0 ... 1,5 $\pm$ 0,5	0 ... 1,5 $\pm$ 0,5	0 ... 1,5 $\pm$ 0,5	0 ... 1,5 $\pm$ 0,5	0 ... 1,5 $\pm$ 0,5	0 ... 1,5 $\pm$ 0,5
Slope progression [dB] 450 ... 862 MHz	1,5 ... 5,0 $\pm$ 0,5	1,5 ... 8,0 $\pm$ 0,5	1,5 ... 10,0 $\pm$ 0,5	1,5 ... 13,0 $\pm$ 0,5	1,5 ... 16,0 $\pm$ 0,5	1,5 ... 19,0 $\pm$ 0,5
Return loss [dB typ.]	> 20*	> 20*	> 20*	> 20*	> 20*	> 20*
Diameter [mm]	13	13	13	13	13	13
Length [mm]	41	41	41	41	41	41
Order No.	53120500	53120800	53121000	53121300	53121600	53121900

\* f = 40 MHz -1,5 dB/Oct. (> 14 dB min.)

