

DPX-1 duplex filters in F-technique



57005700
DPX-1-65/85



- Diplex filters for combining or splitting of different frequency bands in CATV and SMATV broadband networks
- Compact die-cast housing with grounding connections
- F-female connectors, all connectors are facing in the same direction
- Very low crossing band width, very high rejection and isolation, very high return loss

Parameter		DPX-1-65/85	DPX-1-85/108-1800	DPX-1-204/258	DPX-1-204/258-1800	DPX-1-862/950
Frequency range [MHz]	Port 1	5 – 65	5 – 85	5 – 204	5 – 204	5 – 862
	Port 2	85 – 1.006	108 – 1.800	258 – 1.300	258 – 1.800	950 – 2.400
Tap loss [dB]	Port 1	0,7 ± 0,8 > 55 typ.	1,0 typ. 1,5 max.	1,0 typ. 1,2 max.	1,0 typ. 1,5 max.	1,5 ± 0,8 > 45 typ.
	Port 2	0,5 ± 0,8 > 55 typ.	1,0 typ. 1,5 max.	1,0 typ. 1,2 max.	1,0 typ. 1,5 max.	1,5 ± 0,8 > 42 typ.
Isolation [dB]		≥ 60 (5 – 1.000 MHz)	≥ 45 (5 – 1.800 MHz)	≥ 45 (5 – 1.300 MHz)	≥ 45 (5 – 1.800 MHz)	≥ 42 (5 – 2.400 MHz)
Return loss [dB]	Port 1	> 20 (5 – 60 MHz) > 18 (60 – 65 MHz)	16 min. 18 typ.	16 min. 18 typ.	16 min. 18 typ.	> 20 (5 – 65 MHz) > 16 (65 – 862 MHz)
	Port 2	> 16 (85 – 90 MHz) > 20 (90 – 1.000 MHz)	> 16 (108 – 1.300 MHz) > 12 (1.300 – 1.800 MHz)	16 min. 18 typ.	> 16 (258 – 1.300 MHz) > 12 (1.300 – 1.800 MHz)	> 14 (950 – 2.400 MHz)
DC passing max.	Port 1	–	–	–	–	–
	Port 2	–	–	–	–	24 VDC/1 A (incl. DiSEqC and 22 kHz)
Dimensions [mm]		74,5 x 33 x 18	74,5 x 33 x 18	74,5 x 21 x 18	74,5 x 33 x 18	74,5 x 33 x 18
Order No.		57005700	57005710	57005705	57005715	57006500