

NEX Series

Multichannel amplifier, suitable for amplifying and filtering of TV signals in MATV headend systems. These amplifiers are perfect for working in adjacent channels.

APPLICATION

Medium- to large-sized community digital and analogue TV installations located in poor reception areas with big level differences between channels.

CHARACTERISTICS

- Metal chassis (zamak), integrating the input/output connectors to give the unit great strength.
- High shielding degree.
- High reliability and screening factor due to "F" connectors.
- Modular design that allows channel configuration according to installation needs.
- The use of filters with high "Q" factor (quality factor) inductive lines guarantees a high channel selectivity.
- Easy to set-up due to its system of splitting at input and combining at output.



Supply voltage	24 Vdc
Current drawn (24 Vdc)	110 mA
Operating temperature range	0 ÷ 50° C

MODEL	NEX 401	NEX 402	NEX 403	NEX DAB	NEX 545 2 channels	NEX 545 3 channels	NEX 545 4 channels	NEX 545 5 channels	
Reference	39102...04	39200	39305...12	39201	39501...20	39580...600	39570	39571	
Channels	E02...E04	FM 87 ÷ 108	E05...E12	DAB 195 ÷ 223	— *	— *	66 ÷ 69	65 ÷ 69	
Max. output level	dBµV	123	115 (DIN B -35 dB)	123	115 (DIN B -35 dB)	112 (2 Ch AM-TV) 109 (2 Ch COFDM)	111 (3 Ch AM-TV) 107 (3 Ch COFDM)	109 (4 Ch AM-TV) 106 (4 Ch COFDM)	108 (5 Ch AM-TV) 105 (5 Ch COFDM)
Gain	dB	40	40	35	40	50			
Gain adjustment	dB	30							
Bandwidth	MHz	7	21	7	28	16	24	32	40
Selectivity			@ -15 MHz		@ -15 MHz			N = ch 65	N = ch 64
PV _N -PAN-1	dB	20	35 23	20	35 23	—	—	16	16
PAN-PV _N +1	dB	20	@ +15 MHz	20	@ +15 MHz	30	30	—	—
PV+20 MHz	dB	>70	30 8	>70	30 8	30	30	—	—
Return losses	dB	9							
Noise figure	dB	11	4	5	5	11			
Input-Output impedance	Ω	75							
Input-Output connectors		F (f)							
Packing dimensions	mm	195 x 70 x 32							
Weight	Kg	0,45							

* Different configurations upon request.

