

DCT DELTA NVD 9240

LINE EXTENDER-/ DISTRIBUTION-AMPLIFIER



- Controllable line and distribution amplifier
- Two independent, active high power outputs
- Flexible transponder solution with DOCSIS-transponder FOSTR-A-D or FSK FOSTR-A-F microreceiver
- Electronic level and slope adjustment
- Flexible and future proof returnway with bandwidth extension to 105 MHz, configurable by modular diplexer
- Ingress control switch 0 / 6 / 45 dB on return way
- Low noise by GaAs-FET-IC pre-amplifier stages
- High output level using Power Doubler GaAs-FET technology
- AGC ± 3.5 dB - module pluggable
- Power pass of 10 A, with overvoltage protection 6 kV
- Compact alu die cast housing IP 65

SPECIFICATIONS

TYPE		NVD 9240 ED	NVD 9240 R-ED
Final stage		2 x Power Doubler GaAs-FET	2 x Power Doubler GaAs-FET
DOWNSTREAM			
Frequency range	MHz	5-1006	5-1006
Gain	dB	2 x 41 $\pm$ 1	2 x 41 $\pm$ 1
Noise	dB	typ. 6.5 Tu $\leq$ 40° C	typ. 6.5 Tu $\leq$ 40° C
Linearity	dB	$\pm$ 0.5	$\pm$ 0.7
Attenuation Input	dB	0...20	0...20
Slope 862/1006	dB	0...20	0...20
Interstage slope + Attenuation	dB	0...15	0...15
Outputlevel max. CSO / CTB>60 dB, 42 CH flat	dB μ V	2 x 114	2 x 114
Return loss	dB	18 dB at 40 MHz (-1.5 dB/Octave)	
UPSTREAM			
Frequency range	MHz	5-105 (configured by Diplexer)	5-105 (configured by Diplexer)
Gain	dB	26 $\pm$ 1	26 $\pm$ 1
Noise	dB	7	7
Attenuation	dB	0...20	0...20
Slope	dB	0...10	0...10
Ingress Detection Switch	dB	0 / 6 / 45 switchable with FOSTR-A	0 / 6 / 45 switchable with FOSTR-A
NPR/CNIR @ 35MHz, 65MHz Noise bw		50dB@ -46dBmV/Hz Input level	50dB@ -46dBmV/Hz Input level
BER @ 120 dB μ V (6 carrier QAM 16; 5,12 Msym/s)	BER	< 1*10 ⁶ (KDG 1TS140)	< 1*10 ⁶ (KDG 1TS140)

COMMON DATA		NVD 9240 ED	NVD 9240 R-ED
Power supply	V~	185 - 265 V	28 - 65 V
Power pass	A~	10	
Power consumption	W	31 (without transp.)	
Hum Isolation	dB	> 60	
Testpoint Input	dB	-20 (F-connector, internal) bidirectional	
Testpoint Output	dB	-20 (F-connector, internal) unidirectional	
Burst- / Surge Protection	kV	6 / 6	
Connector		PG 11 or 5/8"	
Dimensions/Weight	mm/kg	250 x 220 x 100 / 3,0	
RF-IN/OUT Connection		2/2	

