



Masthead products

UHF and VHF band amplifiers

- single input preamplifiers with extremely low noise figure
- for outdoor mounting
- DC feeding through output connector (AB012 powered through any output)
- shielded metal case inside plastic housing

AB010

15 dB fixed gain UHF masthead amplifier

AB011

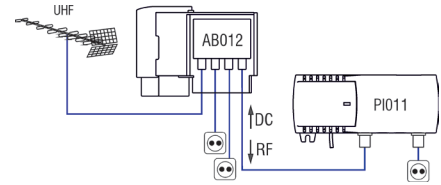
27 dB switchable gain UHF masthead amplifier

AB012

22 dB switchable gain UHF masthead amplifier and three RF isolated outputs

AB013

17 dB fixed gain VHF masthead amplifier



Technical specifications

T Y P E	AB010	AB011	AB012	AB013
Ordering number	02544	02545	02546	02555
Frequency range		470-862 MHz		174-230 MHz
Gain	15 dB	27 dB	22 dB	17 dB
Number of inputs	1	1	1	1
Number of outputs		1	3	1
Noise figure	0.8 dB	≤ 1 dB		1.2 dB
Maximal output level	IMD3=60 dB(DIN45004B) = 98 dB μ V, IMD3=60 dB 95 dB μ V	IMD3=60 dB(DIN45004B) = 108 dB μ V, IMD3=60 dB 105 dB μ V	IMD3=60 dB(DIN45004B) = 103 dB μ V, IMD3=60 dB 100 dB μ V	IMD3=60 dB(DIN45004B) = 96 dB μ V, IMD3=60 dB 93 dB μ V
Interstage gain control	-	13 dB, switchable	15 dB, switchable	-
Return loss		> 10 dB		
Current consumption	4.5 V ÷ 12 V 30 mA	4.5 V ÷ 12 V 60 mA		4.5 V ÷ 12 V 30 mA
Operating temperature range		-20° ÷ +50 °C		
Dimensions/Weight (packed)		89x107x43 mm/0.18 kg		

- single input preamplifiers with extremely low noise figure
- integrated LTE signal suppression filter
- for outdoor mounting
- DC feeding via output connector
- shielded metal case inside plastic housing

AB010L

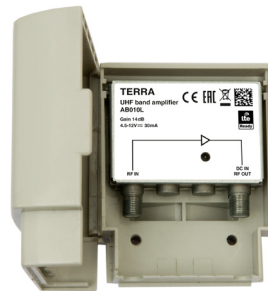
14 dB fixed gain UHF masthead amplifier

AB011L, AB011T

26 dB switchable gain UHF masthead amplifiers

AB011L - 470-790 MHz

AB011T - 470-694 MHz



Technical specifications

T Y P E	AB010L	AB011L	AB011T
Ordering number	02544L	02545L	02545T
Frequency range		470-790 MHz	470-694 MHz
Gain	14 dB	26 dB	
Noise figure	≤ 1 dB (700 MHz)	≤ 1.3 dB (700 MHz)	≤ 1.3 dB (600 MHz)
Maximal output level	IMD3=60 dB (DIN45004B) 98 dB μ V, IMD3=60 dB 95 dB μ V	IMD3=60 dB (DIN45004B) 108 dB μ V, IMD3=60 dB 105 dB μ V	
Interstage gain control	-	13 dB, switchable	
Return loss		> 10 dB	
Current consumption	4.5 V ÷ 12 V 30 mA	4.5 V ÷ 12 V 60 mA	
Operating temperature range		-20° ÷ +50 °C	
Dimensions/Weight (packed)		89x107x43 mm/0.18 kg	