



Outdoor PLL converter

C20 series

art. 23-982
C20PLL U→3 MIX



Outdoor converter, particularly suitable for the conversion of DTT signals due to oscillator frequency stabilized by the PLL circuit with a very low phase noise.

In addition to the conversion, this product amplifies the signal available at the same time.

Adjustable gain thanks to a coaxial attenuator (0÷20 dB).

Realized into shielded housing with F connectors.

The MIX input is a broadband input (40÷862 MHz) and it is equipped with a switch to enable remote power supply. The signals received on the MIX input are not amplified.

When ordering you must specify the UHF channel that has to be converted and the desired new channel of band 3, bearing in mind that some conversions are impossible (see the attached table to verify the feasibility).

WARNING: not all the TV sets are able to accept U→3 conversion because of the channel bandwidth, which is 8 MHz for UHF band channels and 7 MHz for VHF band channels.

Characteristics

- Shielded housing with screw F-type connectors
- The channel input is amplified

Code	23-982	
Item	C20PLL U→3 MIX	
No. of amplified inputs	1	
No. of passive inputs	1	
Input channel band	UHF	
Output channel band	3	
Max output level	dB μ V	95
Gain adjustment	dB	0÷20
Converted channel gain	dB \pm 2	20
MIX LB input insertion loss	dB \pm 2	< 4
Noise figure	dB	12
Absorbed current	mA	90
Power supply	Vdc	12÷15
Dimensions (LxWxH)	mm	142x60x130
Packaging dimensions (LxWxH)	mm	145x140x60
Packaging weight	Kg	0,49
Fit temperature	°C	-10 ÷ +55
Compliant to	EN 55083-2, EN 60065	

Technical data refer to a temperature of 25 °C

Example of application



