Outdoor PLL converter
C10 series

art. 23-976
C10PLL U→U MIX

DTT

OUTDOOR

HIGH SHIELDING

CONN. F

REG.

10 dB

CE

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 channel that has to be converted and the desired new channel, bearing in mind that some conversions are impossible (see the attached table to verify the feasibility).
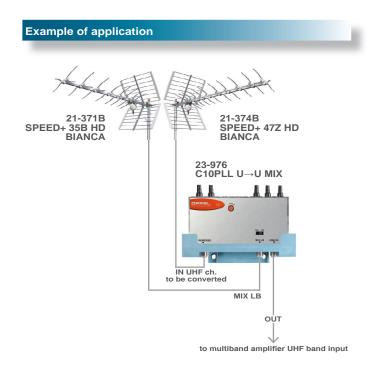
Characteristics

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

Code	23-976
Item	C10PLL U→U MIX
No. of amplified inputs	1
No. of passive inputs	1
Input channel band	UHF
Output channel band	UHF
Max output level dBμV	95
Gain adjustment dB	0÷20
Converted channel gain dB ±2	10
MIX input insertion loss dB ±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

21-371B
SPEED+ 35B HD BIANCA

21-374B
SPEED+ 47Z HD BIANCA

23-976
C10PLL U→U MIX

IN UHF ch.
to be converted

MIX LB

OUT

to multiband amplifier UHF band input

Rev. 1   01.2017

Offel s.r.l.   Via Lato di Mezzo, 32 Lugo (RA) - Italy   Tel. +39 0545/22542   Fax +39 0545/30439   P.I. 00449020395   **www.offel.it**

Conversions

OFFEL
Sistemi di ricezione TV e SAT

Made in Italy

Table of possible conversions for the converters of C... PLL series.

	INPUT CHANNELS		
	Band 3	Band 4	Band 5
	5 6 7 8 9 10 11 12	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

OUTPUT CHANNELS — Band 3: 5, 6, 7, 8, 9, 10, 11, 12 — Band 4: 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 — Band 5: 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69

Legend
■ NOT POSSIBLE CONVERSIONS
□ POSSIBLE CONVERSIONS