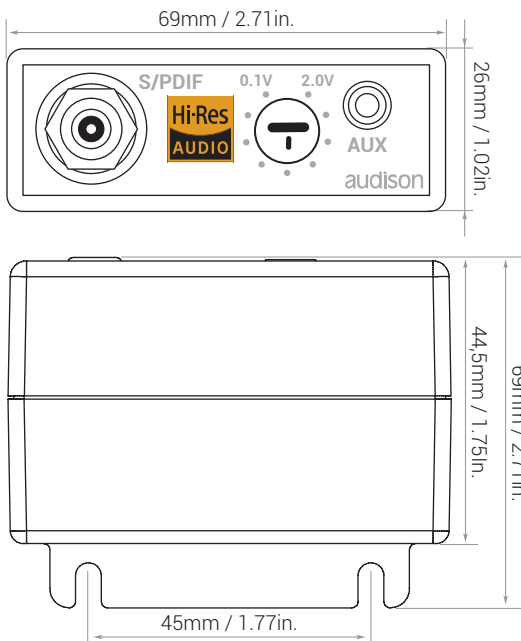


# C20

## COAX TO OPTICAL



POWER SUPPLY	
Voltage:	6 ÷ 30 VDC
Idling current:	70 mA @ 12V
Remote IN voltage:	3 VDC (0.5 mA)
+ 12 Remote IN voltage:	6 VDC (80 mA)
SIGNAL STAGE	
Distortion THD (analog input):	0,002 %
Bandwidth (analog input):	5 ÷ 24 kHz
S/N ratio @ A weighted (analog input):	105 dB
Input sensitivity (analog input):	0.1 ÷ 2 VRMS
INPUTS	
Analog Pre-IN:	3.5mm jack stereo 3/4 pole
Digital S/PDIF:	Electrical coax (24 bit 192 kHz)
INPUT MANAGEMENT	
Signal priority:	Analog
Digital IN delay switch:	6 - 9 - 12 sec. (default 6 sec.)
OUTPUT	
Optical digital:	From analog input: 24 bit 48 kHz From digital input: 24 bit 192 kHz
SIZE	
W x H x D mm / In.	69 x 26 x 54,5 / 2.71 x 1.02 x 2.14
Weight kg / lbs:	0,048 / 0.106



### USE

The C20 interface converts the signals coming from the coaxial digital input and from the analog AUX-IN into a **TOSLINK optical digital output signal (up to 24 bit/192kHz)**.

The conversion allows the integration of the **new Hi-Res portable devices** equipped with coaxial digital output (75Ω) and smartphones with analog output on 3.5 mm mini Jack (also 4 poles) with Audison processors featuring an optical digital input compatible with the resolution of the signal sent to the C20.

Thanks to its extreme compactness, the C20 can be installed in a hidden position on the dashboard, drastically reducing the length of the cabling between the portable player and the receiving device nullifying in this way any issues with interfacing.

### FEATURES

The coaxial digital input is provided with an **isolation transformer that improves the balance between the transmitter and the receiver circuit**, reducing noise due to EMI electromagnetic interference, which is particularly insidious inside the passenger compartment.

The **AUX-IN input is equipped with a pre-amplifier with adjustable gain of 0.1V ÷ 2V** for an optimal coupling with each device before the Analog-Digital conversion is performed by a high quality converter at a resolution of 24 bit/48 kHz.

For maximum ease of use in cars, the **C20 independently selects the input** with priority assigned to the AUX-IN. With the default setting, after 6 seconds of no analog signal, the C20 moves to the coaxial digital input. An internal switch allows for the time before the switch to be set to 9 or 12 seconds.

