



VIDEO SUBC. REF. OSC. SRO10

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Power  1x Subcarrier  4x



The Video Subcarrier Reference Oscillator, SRO10, is a versatile tool to generate a constant signal locked to the incoming video color burst. This tool can be used for color burst frequency accuracy analysis on any video source using a frequency counter. It can also be used as a calibration reference for your frequency counter utilizing a broadcast video reference source. The F.C.C. specification for Broadcast NTSC color burst is 3.579545 MHz, +/- 10 Hz.

The setup is very simple. Connect the video input to the rear panel BNC connectors, loop through or terminate, and connect the power transformer. Connect the subcarrier output to your frequency counter with a BNC to BNC cable. Set the front panel switch to select either the 1x for (3.58 MHz NTSC or 4.43 MHz PAL) or switch to the 4x for (14.318 MHz NTSC or 17.71 MHz PAL) subcarrier output, locked to the incoming video color burst.

Up to 4 units can be rack mounted in a 1 Rack Unit space, 1.5 " high, using the optional rack mount assembly.

Electrical Characteristics

Signal

Video Input Connectors 2 BNC Loop Through

Impedance 75 ohms

Subcarrier Ref. BNC

VCXO Oscillator

Oscillator Lock

In Range +/- 350 Hz

Reference Output Level >300 mV P-P

Physical Characteristics

Dimensions mm in.

Width 106 4.17"

Height 39 1.52"

Depth 127 5.0"

Weight kg lbs

Net 0.48 1.06

Shipping 1.5 3.31

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