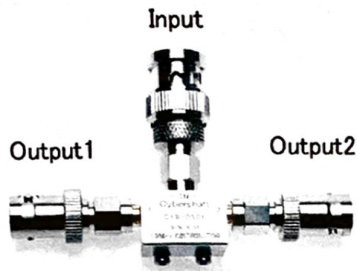


Transformer type 10MHz 50ohm 2 distributor  
MODEL: CYB-DS01

CYBERSHAFT



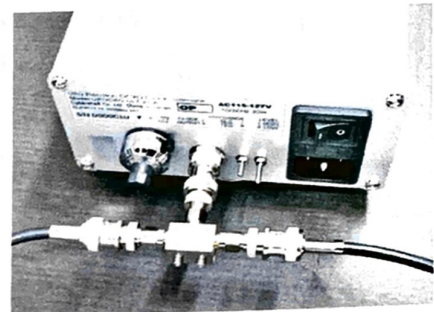
This product distributes two 10 MHz clock signals.  
Because it is a transformer type, it can be distributed  
with almost no deterioration of clock quality.  
The output impedance is 50  $\Omega$  x 2 lines.

Connection method:

Connect the input side to the oscillator output and connect  
the output side to the clock input of the audio device with  
a BNC cable as shown in the photo on the right.

When the input impedance of the audio device is 75  $\Omega$ ,  
connect our 50  $\Omega$  matching adapter to the clock input  
side of the audio device and convert it to 50  $\Omega$ .

It is recommended to connect the one closer to the DAC  
to the "output 1" because the "output 1" is very small but  
the structure is good.



Specification:

- Input SWR 1.1 or less (10 MHz at 50  $\Omega$  impedance connection)
- Output SWR 1.2 or less (10 MHz at 50  $\Omega$  impedance connection)
- Compatible impedance: Clock input side 50  $\Omega$  Output side 50  $\Omega$  2 lines

※ This distributor reduces the output level.

Ultimate output level Low setting 1.6V-pp  $\rightarrow$  about 1.1V-pp

High setting 3.0v-pp  $\rightarrow$  about 2.1V-pp

Therefore, this product can not be used for devices that lock only in the High setting.

If you are using a Low setting and can not lock when using this distributor, you can use  
it by setting it to High.

※ There is no isolation between GND.

※ Use 50 ohm BNC cable for all cables connected.

※ When using it, it is necessary to connect 50  $\Omega$  equipment to both of the 2 outputs.

One-side opening is not possible. If only one side is connected, remove this unit.

※ Dedicated to our 10 MHz clock product. The characteristics under different conditions  
such as other frequencies can not be guaranteed.

Cybershaft co., Ltd.

Shishiko 992-40 Ushiku-city Ibaraki Japan

Tel 029-871-4668

Transformer type 10MHz 50ohm 2 distributor  
MODEL: CYB-DS01

CYBERSHAFT

## Certificate of Calibration

We are calibrating all products to ensure product quality.

Cybershaft co.,ltd. certifies that the product meets or exceeds its published specification and has been processed and calibrated in compliance.

Measurement conditions : Carrier frequency 10 MHz 50  $\Omega$  termination

Certificate Date : February / 26 / 2021

Temperature-humidity : 23.0  $^{\circ}\text{C} \pm 2^{\circ}\text{C}$  39%

Serial No. 0160

Input	SWR : <u>1.02</u>	Acceptance value : less than 1.10
Output1	SWR : <u>1.11</u>	Acceptance value : less than 1.20
Output2	SWR : <u>1.13</u>	Acceptance value : less than 1.20

Measuring instrument:

Agilent E5061A NETWORK ANALYZER

HP35678A 50  $\Omega$  CALIBRATION KIT

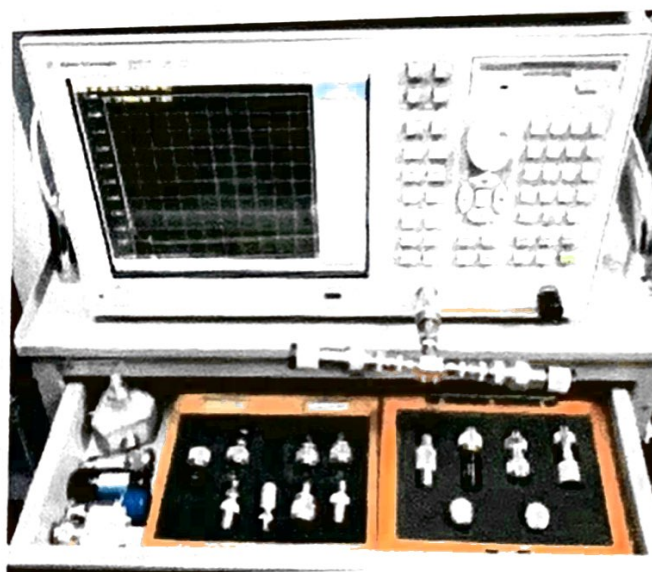
HP11854A 50 OHM BNC ACCESSORY KIT

Cybershaft co., ltd.

Shishiko 992-40 Ushiku-city

Ibaraki Japan

Tel 029-871-4668



Signature of the measuring person :