

Q5 SIGNAL 10MHz 4-WAY REFERENCE AND SIGNAL DIVIDER

Part Number REF10-4

DESCRIPTION:

The REF10-4 functions as a Stand-Alone 4-Output 10MHz OCXO Signal Source or as a 10MHz 4-Way Signal Divider depending upon the presence or absence of a 10MHz signal on its Input Port. With no signal applied to the Input Port, the “ON” LED is red and the +7dBm output of the internal OCXO appears on each of the 4 Output Ports. When a 10MHz signal greater than 0dBm is applied to the Input Port, the “ON” LED is green and that same filtered input signal of equal amplitude appears on each of the 4 Output Ports.

OPERATION:

Using the supplied DC Power Cable, connect a fuse-protected 12VDC 1A power source. The “ON” LED should be red if no signal is applied to the Input Port. As the internal OCXO reaches operating temperature (less than 4 minutes), the current draw will decrease to less than 500mA. The REF10-4 is now operating as a 10MHz 5ppb Signal Source producing +7dBm at each Output Port. For Signal Divider operation, apply a 10MHz signal greater than 0dBm to the Input Port. The “ON” LED will turn green. And the Input Port signal will be appear at each Output Port. The internal OCXO remains in hot-standby mode to take over in the event that the Input Port signal is removed.

SPECIFICATIONS:

Gain from Input Port to any Output Port is 0dB +/-1dB. Harmonic content on each Output Port is less than 40dBc. Input Port maximum level is +13dBm. Outputs are termination insensitive. They may be left open if not used. Port-to-port isolation is better than 40dB.