

## GPS ???(Power Splitter)



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In our work, we will meet some users about GPS research. They often require the use of a GPS signal source to provide GPS signals for multiple GPS receivers. In order to adapt to this one source, multiple devices (a GPS signal source) For the GPS working mode of multiple machines, a power divider (power divider) must be used. Here are some knowledge about power dividers:

A power divider is a device that divides the energy of an input signal into two or more channels with equal or unequal energy. It can also combine the energy of multiple signals into one output. At this time, it can also be called a combiner. A certain degree of isolation should be guaranteed between the output ports of the splitter.

The power divider is usually prepared for the equal distribution of energy, through the cascade of impedance conversion lines and the selection of isolation resistance; it has a wide frequency band characteristic.

Active power divider: its power supply is taken from the power supply of the satellite receiver to the antenna tuner. Active power dividers are mostly found in six power points, eight power points and a few four power points. The main principle is to add two low A two-stage amplifying unit composed of a noise broadband three-stage tube.

Passive power divider: Passive distribution through inductance, resistance and capacitance. Common passive power dividers include two power points, four power points, and so on.