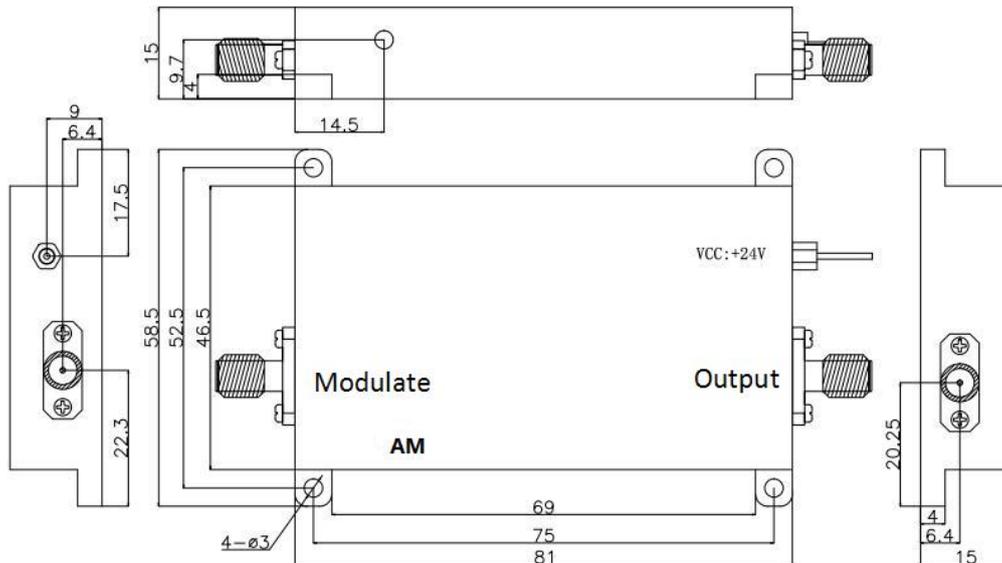


QDQ-M-H - 80M-2.5W Fixed Frequency Driver

◆ Product Description

QDQ-MH-80M-2.5W type fixed frequency source has a signal frequency of 80MHz, signal frequency stability is $\pm 20\text{ppm}$, output power 2.5W, with features of output power adjustment, compact size, light weight, stable performance, and high reliability.

◆ Mechanical Dimensions



◆ Product Specification

| | |
|---|---------------------------|
| Output signal frequency | 800MHz |
| Output signal frequency stability | $\pm 20\text{ppm}$ |
| Output signal frequency temperature stability | $\pm 20\text{ppm}$ |
| Output signal power | 2.5W |
| Input control signal level | 0 to 5V DC |
| Isolation | $\geq 60\text{dB}$ |
| Working voltage | DC +24V $\pm 0.5\text{V}$ |

◆ Interfaces

| | |
|-------------------------|---|
| Signal output | SMA-K |
| Signal input | SMA-K |
| Power supply | Feedthrough capacitor |
| Output power adjustment | Ø3mm (Slotted multi-turn potentiometer) |

◆ Limit parameters (Exceeding the limit parameters will cause permanent damage to the product!)

| | |
|-----------------------|------------|
| Operating Voltage | +24V |
| Control signal level | 0 to +5.0V |
| Storage temperature | -40~+85°C |
| Operating temperature | 0~+60°C |

◆ Usage and Notification

- a. The product heat dissipation method is conduction heat dissipation. The product should be installed on the metal structure with fixing screws, and the installation surface should be flat and have a certain size and thickness. A certain amount of space should be reserved around and above the product to dissipate heat.
- b. The product uses +24V DC power supply, and the power connector uses a through-core capacitor; during installation, connect the core of the through-core capacitor to the positive pole of the power supply, and connect the ground plate of the through-core capacitor to the negative pole of the power supply through a wire.
- c. The characteristic impedance of the product signal output port is 50ohm.
- d. Do not turn on the power when the signal output interface is open or short-circuited, which may damage the product.
- e. Ensure that the product is well grounded, otherwise it will have an impact on product performance.
- f. The output power adjustment is realized by changing the resistance value of the slotted multi-turn potentiometer. Turn the potentiometer clockwise to adjust the terminal, the output power will increase, and the counterclockwise rotation will decrease. The adjustment range of the output power is greater than 15dB.
- g. The product is sensitive to static electricity. Pay attention to static electricity protection during use.