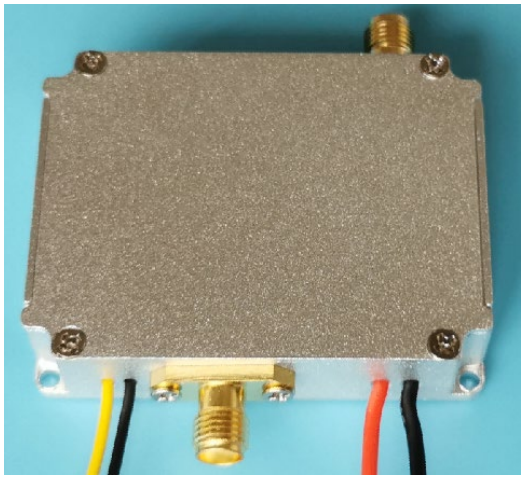
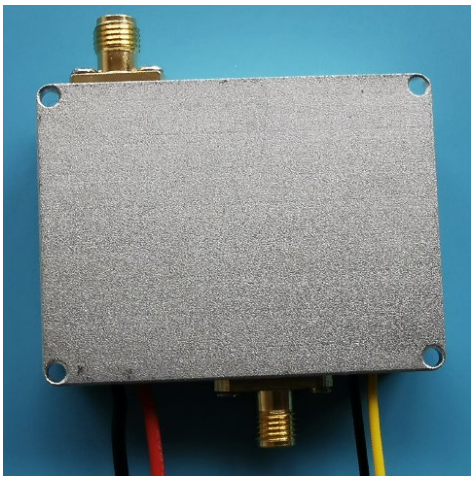
PA-T602 for DLC Module with aluminum case

2W RF Linear Power Amplifier for Sihid DLC module with aluminum case. The maximum RF power of DLC module is 23±2dBm, PA-T602 is designed to increase the RF power to 2W.

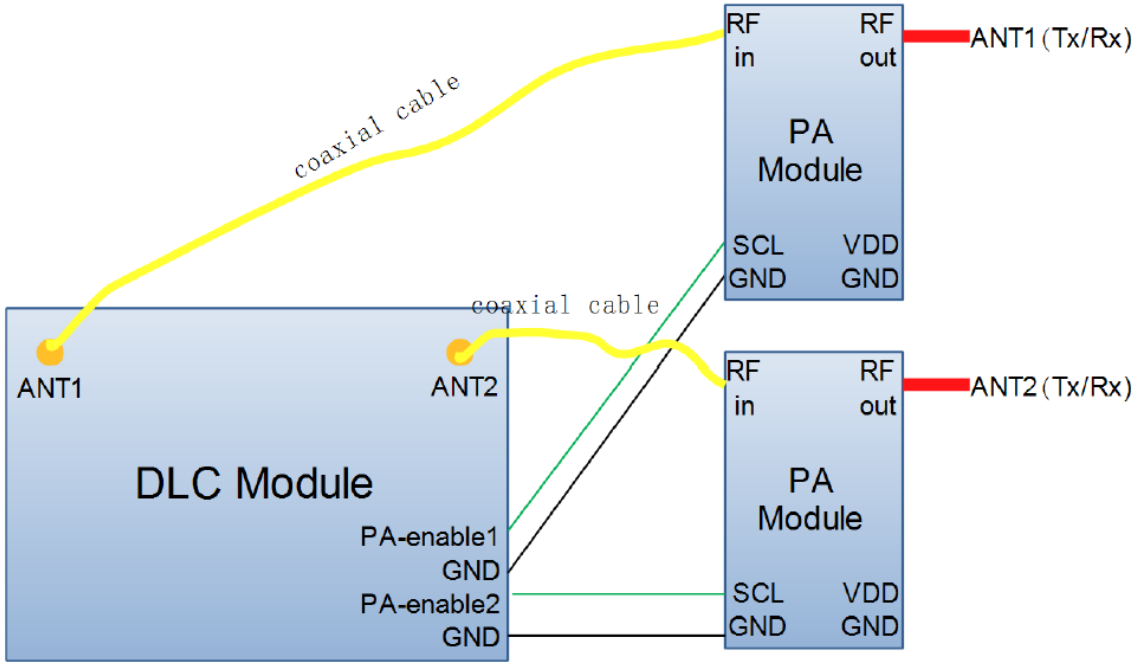




Features:

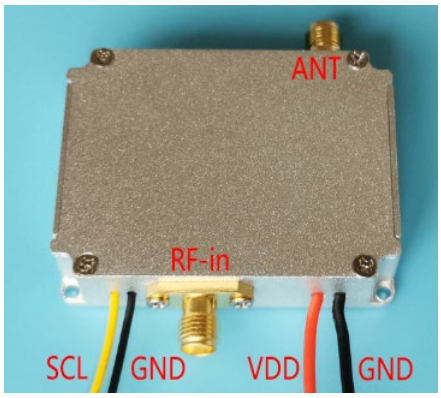
- Frequency band: 566~678MHz
- RF in: Sihid DLC module RF out(23±2dBm)
- RF out power: 2W(33~36dBm)
- Transmitting Gain：15dB±1.5, when used with DLC Module, set up the maximum RF power of DLC as 21~25 dBm, then the RF out power will be 33~36dbm. In the whole band of 566-678MHz, there are slight differences in gain at different center frequency, and the DLC module itself also has slight differences in RF output power at different center frequency. It is recommended to set the maximum output RF power of the DLC module to **"22"** when adding PA-T602 to work with DLC module.
- LNA gain of the receiving channel: 20dB±1
- Power in: DC12V~18V, minimum 1.5A@12V power current rating.
- Power consumption: 12V power supply, set the RF power of the DLC module to "22" and works as 1D4U mode and transmitting data at full load, the average operating power consumption of PA-T602 module itself at access node is 5-7W.
- Static current (without RF signal input): about 0.09A (12.3V input)
- Size: 52.9*40.5*13mm(not including the connector outside of the case)
- Weight: 42g

Working together with DLC Module:



RF in

SMA female connector for connection with antenna of DLC module.



RF out

SMA female connector for connection with antenna.

Control

Two cables, should be connected with DLC Switch signal.

Control signal	function	Connection to DLC
SCL	The input high(1.8V to 3.3V) will drive the amplifier and work in Tx mode. The input low will enable the PA module to work in Rx mode.	PA-enable1 or PA-enable2 signal of Switch port
GND	Gnd.	GND signal of Switch port

Power in

VDD: red color cable.

GND: black color cable.

Size(mm)