

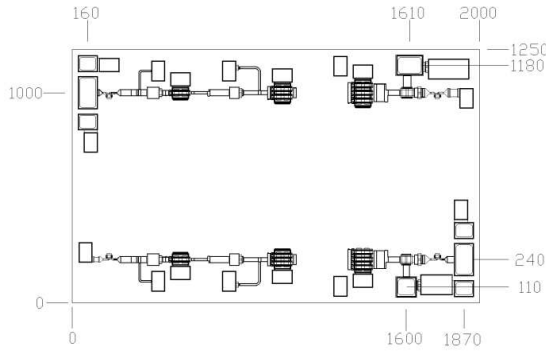
GaAs monolithic integrated driver amplifier

22GHz~38GHz

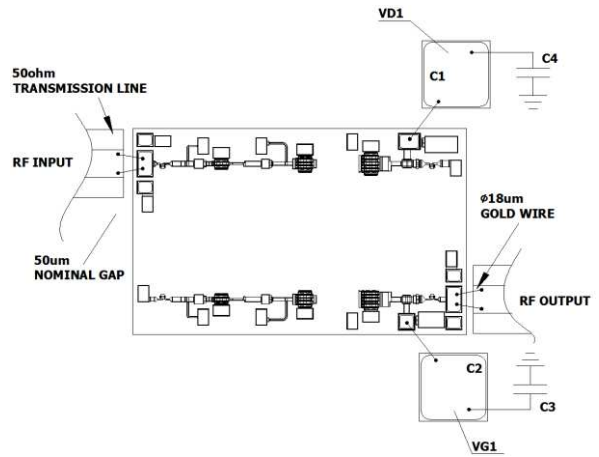
Shape and port size (μm)

RF /VG pad size: 100x100μm

V_D Pad size: 150x100μm



Recommended assembly drawing



Component list

serial number	Numerical value	model	manufacturer	Encapsulation
C3、C4	2.2uF	0603YD225KAT2A	AVX	0603
C1、C2	100pF	-	ANY	SLC

Precautions

1. AY1596 requires two sets of power supply voltages, the gate is negative voltage, and the drain is positive voltage;

When the drain voltage is set to 5V, the recommended gate voltage is set to -0.5~0.7V.

2. When using this chip, the length of the input and output key alloy wires should be shortened as much as possible;

3. The back of the chip is RF grounded. It is recommended to use high thermal conductivity conductive adhesive for bonding.

4. The bypass capacitor C3~C4 should be less than 1.5mm away from the chip.