

ARRL Handbook CD

Template File

Title: L-Band Satellite Antenna/Amplifier
Chapter: 23
Topic: An Integrated L-Band Satellite Antenna and Amplifier

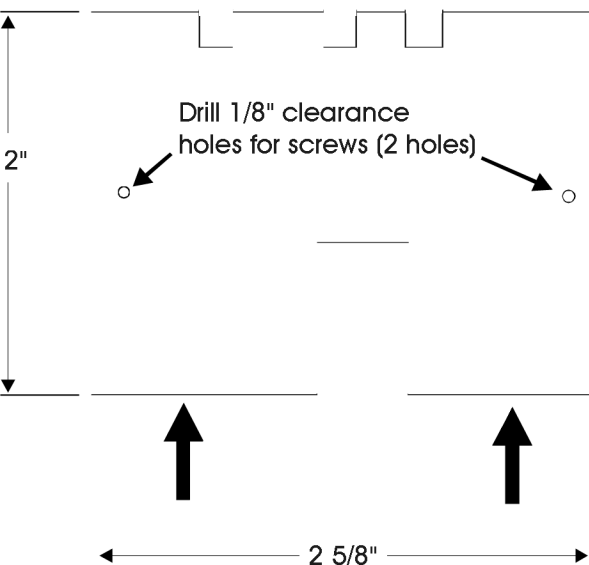
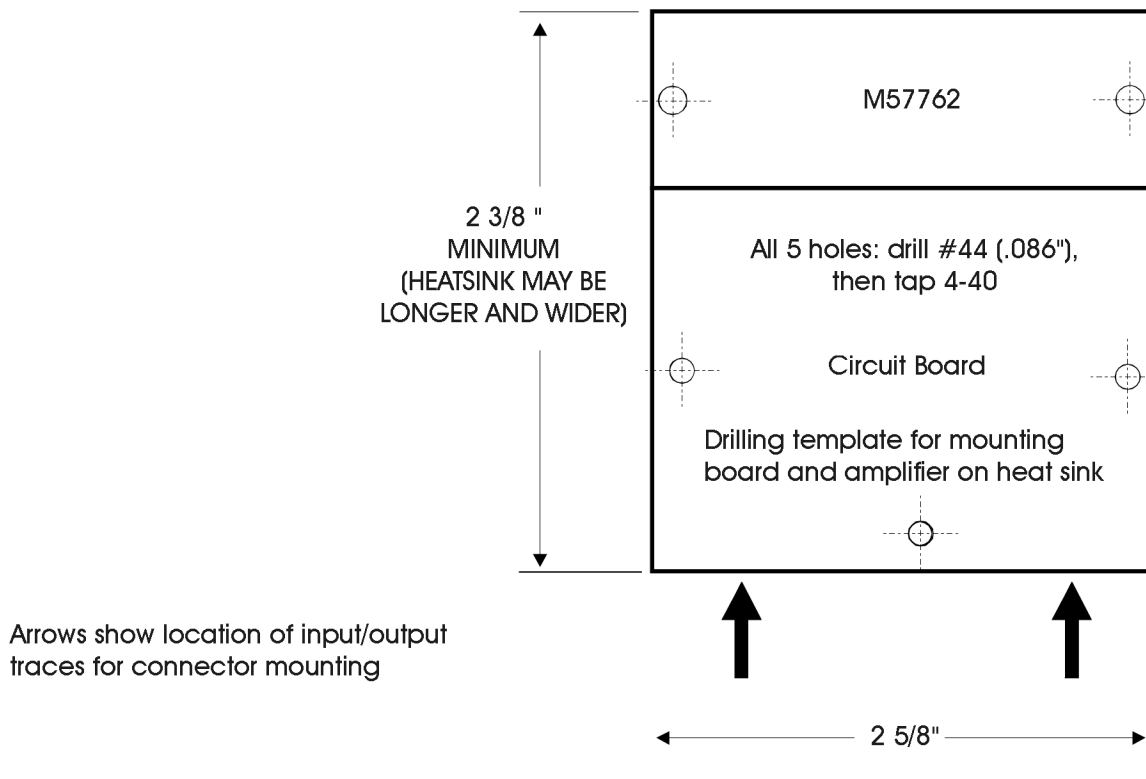
Template contains:

Cutout and drilling templates

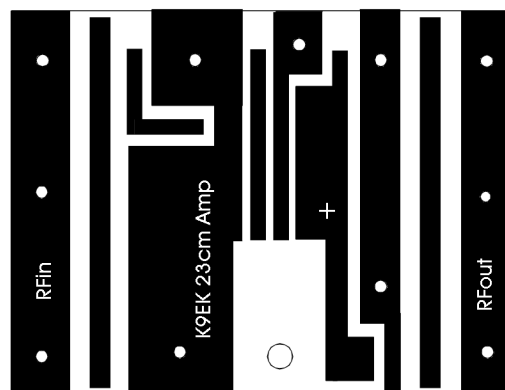
Component placement diagrams

PC board etching templates

23cm 10 WATT AMPLIFIER USING M57762 HYBRID MODULE CUTOUT AND DRILLING TEMPLATES



Circuit Board Cutout template
Use double-sided G10 .062" thick



All other marked holes in circuit board are for through-board connections (rivets, Z-wires, etc.)

ED KROME K9EK

23AMP_B2.CDR

March 1998

23cm 10 WATT RF AMPLIFIER USING M57762 HYBRID MODULE

COMPONENT PLACEMENT

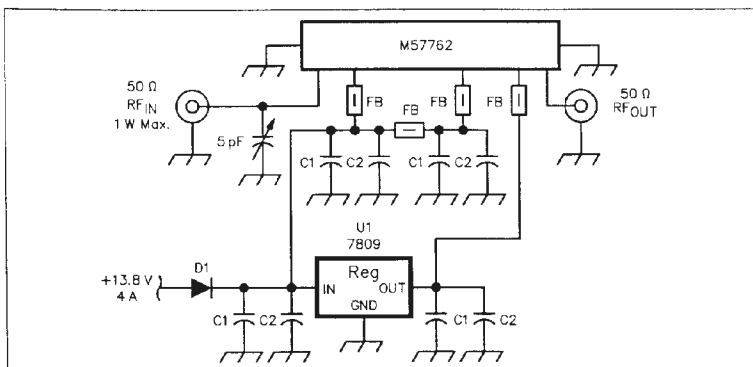
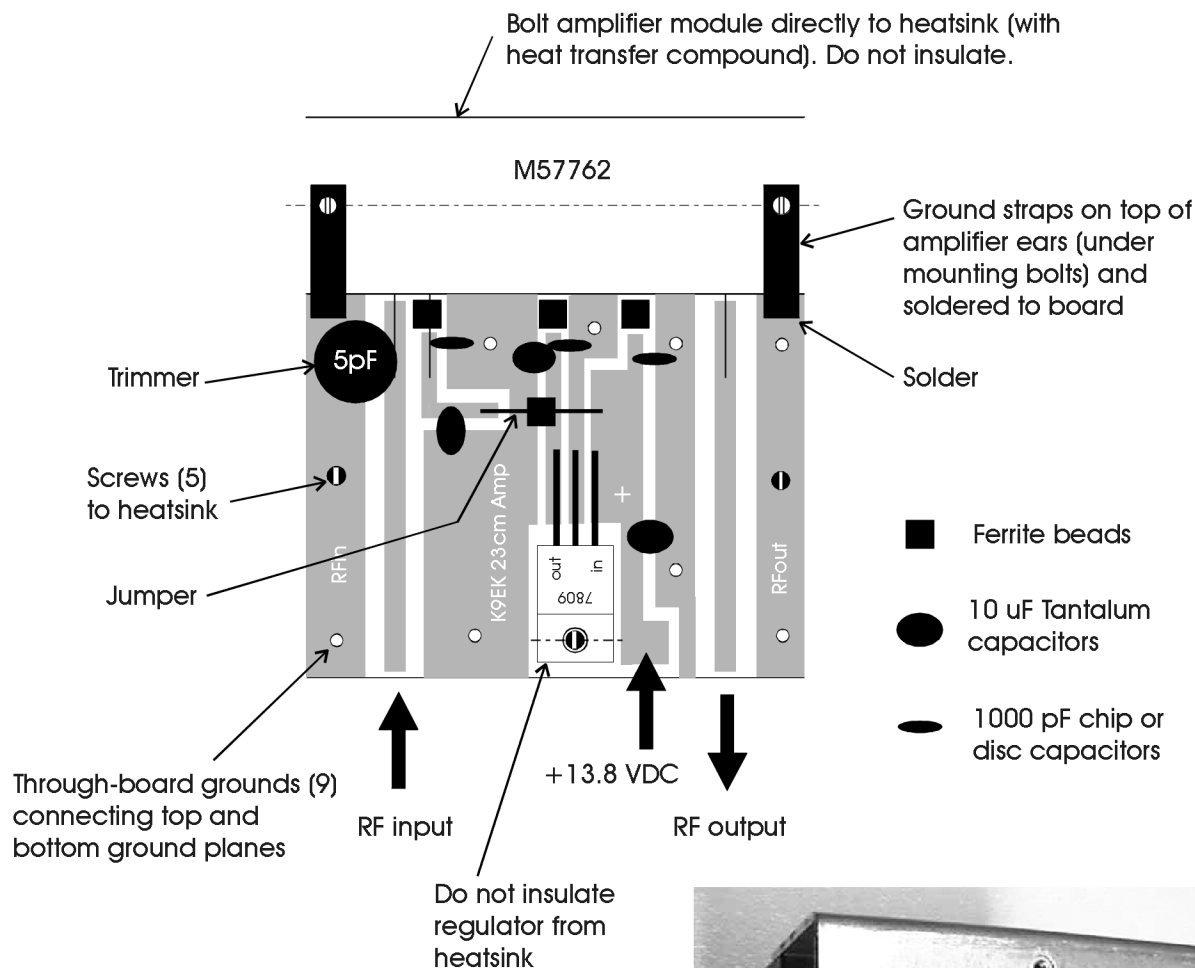
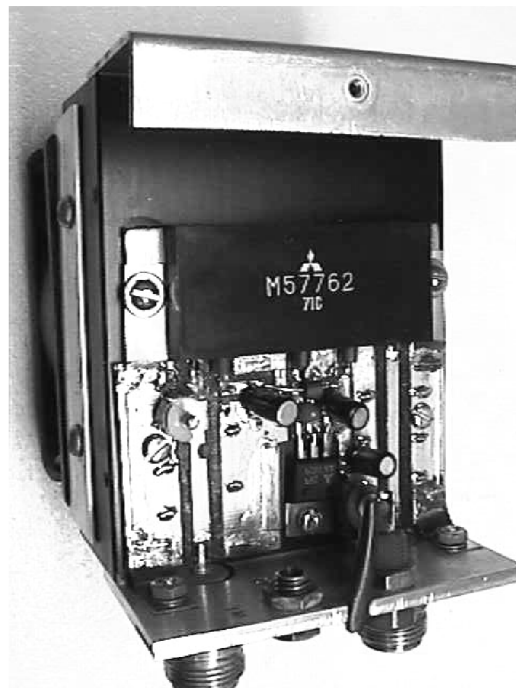
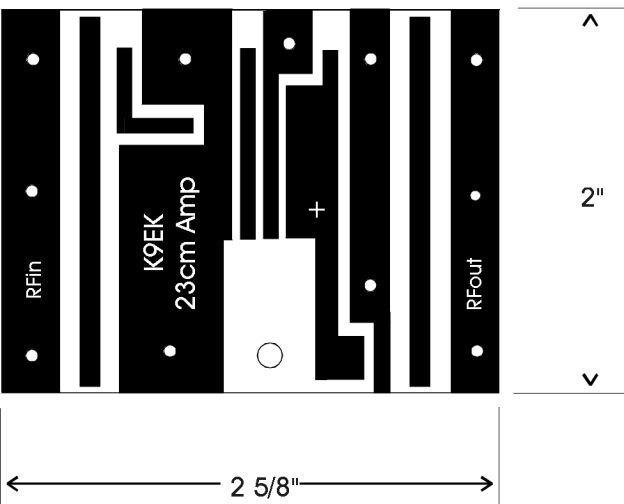


Fig 23.62A—Just a handful of parts are needed to connect the brick amplifier module. All capacitor pairs are 10 μ F/35 V chip or tantalum units in parallel with 1000 pF chip capacitors. D1 is a 4-A (minimum), 50-V power rectifier such as Digi-Key GI820CT-ND. It prevents damage due to reverse connection of the power leads. U1 is a 7809 voltage regulator (9-V, 1-A). Check RF Parts and Down East Microwave (see the Chapter 30 Address List) for pricing and availability of the amplifier module.

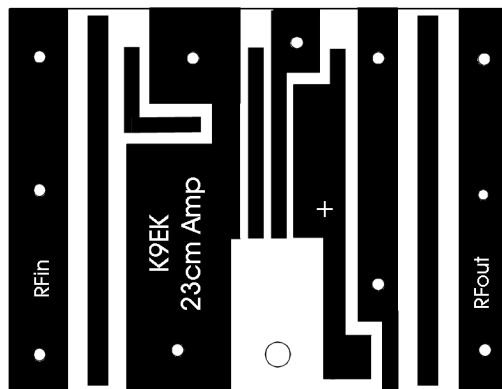
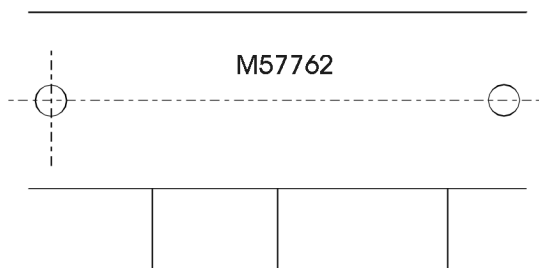
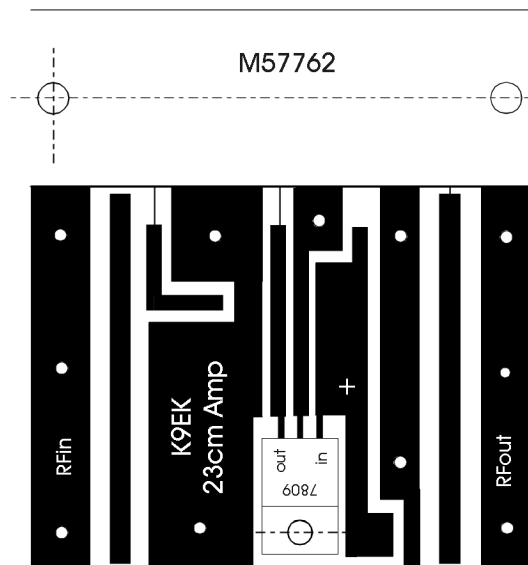
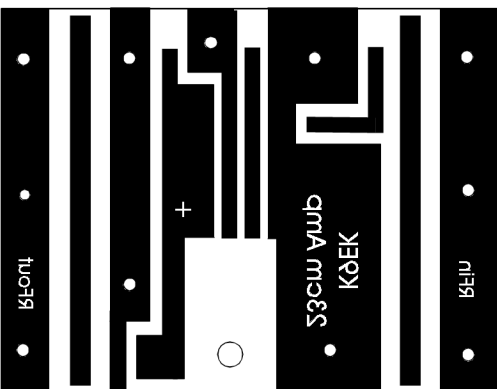


23cm 10 WATT RF AMPLIFIER USING M57762 HYBRID MODULE

CIRCUIT BOARD ETCHING TEMPLATES



Circuit board etching patterns:
direct and mirror image



ED KROME K9EK

23AMP_BD.CDR

March 1998

