

### RX Only Preamp Range

Available in either Kit form or as a fully constructed product

Mini-Kits manufacture a number of tuned preamplifier Kits suitable for use between 45MHz & 1540MHz. They are available either as basic Kits, or as fully constructed products in diecast enclosures with SMA connectors. The Preamplifiers can either be powered by direct connection to the board, or by feeding +12vdc up the coaxial cable using an optional Bias Tee ( DC Power Injector ).



#### EME173A6 SPECIFICATIONS:

Frequency Range: 45MHz – 65MHz  
Gain: 18dB Gain with 10dB Attenuator  
Gain Bandwidth: <3MHz @ 3dB  
Noise Figure: <1.0dB ( Typically 0.7dB )  
RF Connection: Optional SMA Female  
Power Supply: +10 to +15vdc @ 10mA

[www.minikits.com.au/kits2#eme173a6](http://www.minikits.com.au/kits2#eme173a6)



#### EME173A2 SPECIFICATIONS:

Frequency Range: 115MHz – 180MHz  
Gain: 18dB Gain with 6dB Attenuator  
Gain Bandwidth: >5MHz @ 3dB  
Noise Figure: <1.0dB, ( Typically 0.7dB )  
RF Connection: Optional SMA Female  
Power Supply: +10 to +15vdc @ 10mA

[www.minikits.com.au/kits2#eme173a2](http://www.minikits.com.au/kits2#eme173a2)



#### EME173A70 SPECIFICATIONS:

Frequency Range: 350MHz – 500MHz  
Gain: 20dB Gain  
Gain Bandwidth: >50MHz @ 3dB  
Noise Figure: 1.5dB, ( Typically 1.5dB )  
RF Connection: Optional SMA Female  
Power Supply: +10 to +15vdc @ 10mA

[www.minikits.com.au/kits2#eme173a70](http://www.minikits.com.au/kits2#eme173a70)



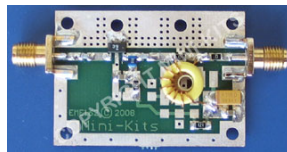
#### EME179A23 SPECIFICATIONS:

Frequency: 1240 -1300MHz  
Gain: 35dB Gain  
Gain Bandwidth: 200MHz @ 3dB  
Noise Figure: <0.5dB, ( Typically 0.4dB )  
RF Connection: Optional SMA Female  
Power Supply: +8 to +15vdc @ <20mA

[www.minikits.com.au/kits2#eme179a23](http://www.minikits.com.au/kits2#eme179a23)

**NEW!** Now available for 1420 & 1540MHz

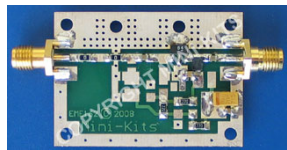
### Wideband Preamp Range



#### GALI-39 KIT SPECIFICATIONS: Low Noise Wide Bandwidth

Frequency Range: 0.5MHz – 2.6GHz  
Gain: 19dB Gain  
Noise Figure: 2.24dB @ 1GHz  
OpIP3: +25dBm @ 35mA  
RF Connection: Optional SMA Female  
Power Supply: +12vdc @ 35mA

[www.minikits.com.au/kits2#gali39](http://www.minikits.com.au/kits2#gali39)



#### PHA-1 KIT SPECIFICATIONS: High IP3 Amplifier **NEW!**

Frequency Range: 70MHz – 2.9GHz  
Gain: 15dB Gain  
Noise Figure: <2dB @ 1GHz  
OpIP3: +41 dBm @ 130mA  
RF Connection: Optional SMA Female  
Power Supply: +12vdc @ 130mA

[www.minikits.com.au/kits2#pha1](http://www.minikits.com.au/kits2#pha1)

### RX Only Bias Tee Range

The Mini-Kits RX only Bias Tee, ( DC Power Injector ) Kits are available for use between 30MHz & 2GHz. These allow any of our RX only Preamplifiers, including the GALI-39 KIT to be powered via the coaxial cable.



[www.minikits.com.au/kits2.html#eme181](http://www.minikits.com.au/kits2.html#eme181)

### RX/TX Preamp Range

Available in either Kit form or as a fully constructed product.

Mini-Kits produce RX/TX preamplifier Kits for both the 6 & 2M bands that have onboard relay switching allowing the use with Transceivers up to 100 Watts.



#### EME157B6 KIT SPECIFICATIONS:

Frequency Range: 40MHz – 60MHz  
Gain: 15dB Gain  
Noise Figure: <1.5dB @ 50MHz (Typically 1.15dB)  
Through Loss: 0.05dB @ 50MHz  
Power Rating: 100 Watts FM  
RF Connection: BNC Female  
Power Supply: +11 to +15vdc @ 100mA

[www.minikits.com.au/kits2.html#eme157b6](http://www.minikits.com.au/kits2.html#eme157b6)

#### EME157B2 KIT SPECIFICATIONS:

Frequency Range: 120MHz – 150MHz  
Gain: 16dB Gain  
Noise Figure: <1.5dB @ 50MHz (Typically 1.12dB)  
Through Loss: 0.05dB @ 50MHz  
Power Rating: 100 Watts FM  
RF Connection: BNC Female  
Power Supply: +11 to +15vdc @ 100mA

[www.minikits.com.au/kits2.html#eme157b2](http://www.minikits.com.au/kits2.html#eme157b2)

### VHF RX/TX Bias Tee **NEW!**

The Mini-Kits VHF Bias Tee, ( DC Power Injector ) is suitable for use with our 6 & 2M EME157 series preamplifier Kits. These allow the Preamplifiers to be easily powered & switched via the coaxial cable.



[www.minikits.com.au/kits2.html#eme168vhf](http://www.minikits.com.au/kits2.html#eme168vhf)