



NEW PRODUCT RELEASE

New RF/Microwave Amplifiers with built in 115VAC Supply:

Planar Electronics Technology has released a new line of low-cost, highly reliable, RF/Microwave amplifiers featuring a built in 115VAC, 60Hz power supply. An integrated on/off switch and fuse protection is standard. Any of our standard amplifiers covering DC to 40GHz or your custom specified amplifier can be supplied. A few standard models are listed below:



PET Model No. PTB-30-0R12-5R0-20-115VAC-SFF operates over a frequency range of 0.1 to 2.0GHz. This unit provides 30dB of minimum gain with an OP1dB of +20dBm minimum. An integrated 115VAC, 60Hz power supply is included in a self contained sealed aluminum enclosure measuring only 5.0”L x 5.0”W x 2.1”H. The input and output connectors are SMA female. The unit features a On/Off toggle switch and fuse protection. Full electrical performance is listed below.

PET Model No. PTB-30-0R54-5R0-20-115VAC-SFF operates over a frequency range of 0.5 to 4.0GHz. This unit provides 30dB of minimum gain with an OP1dB of +20dBm minimum. An integrated 115VAC, 60Hz power supply is included in a self contained sealed aluminum enclosure measuring only 5.0”L x 5.0”W x 2.1”H. The input and output connectors are SMA female. The unit features a On/Off toggle switch and fuse protection. Full electrical performance is listed below.

PET Model No. PTB-30-28-5R0-20-115VAC-SFF operates over a frequency range of 2.0 to 8.0GHz. This unit provides 30dB of minimum gain with an OP1dB of +20dBm minimum. An integrated 115VAC, 60Hz power supply is included in a self contained sealed aluminum enclosure measuring only 5.0”L x 5.0”W x 2.1”H. The input and output connectors are SMA female. The unit features a On/Off toggle switch and fuse protection. Full electrical performance is listed below.

PET Model No. PTB-30-618-5R0-20-115VAC-SFF operates over a frequency range of 6.0 to 18.0GHz. This unit provides 30dB of minimum gain with an OP1dB of +20dBm minimum. An integrated 115VAC, 60Hz power supply is included in a self contained sealed aluminum enclosure measuring only 5.0”L x 5.0”W x 2.1”H. The input and output connectors are SMA female. The unit features a On/Off toggle switch and fuse protection. Full electrical performance is listed below.

Typical Specifications By Model No. Listed Below:

PTB-30-0R12-5R0-20-115VAC-SFF

Specifications

Frequency:..... 0.1-2.0GHz
 Gain:..... 30dB min.
 Gain Flatness:..... ±1.5dB max.
 Noise Figure:..... 5.0dB max.
 OP1dB:..... +20dBm min.
 VSWR In/Out:..... 2.0:1 max.
 Operating Voltage:..... 115VAC, 60Hz

PTB-30-0R54-5R0-20-115VAC-SFF

Specifications

Frequency:..... 0.5-4.0GHz
 Gain:..... 30dB min.
 Gain Flatness:..... ±1.5dB max.
 Noise Figure:..... 5.0dB max.
 OP1dB:..... +20dBm min.
 VSWR In/Out:..... 2.0:1 max.
 Operating Voltage:..... 115VAC, 60Hz

PTB-30-28-5R0-20-115VAC-SFF

Specifications

Frequency:..... 2.0-8.0GHz
 Gain:..... 30dB min.
 Gain Flatness:..... ±1.5dB max.
 Noise Figure:..... 5.0dB max.
 OP1dB:..... +20dBm min.
 VSWR In/Out:..... 2.0:1 max.
 Operating Voltage:..... 115VAC, 60Hz



PTB-30-618-5R0-20-115VAC-SFF

Specifications

Frequency:..... 6.0-18.0GHz
 Gain:..... 30dB min.
 Gain Flatness:..... ±1.5dB max.
 Noise Figure:..... 5.0dB max.
 OP1dB:..... +20dBm min.
 VSWR In/Out:..... 2.0:1 max.
 Operating Voltage:..... 115VAC, 60Hz

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