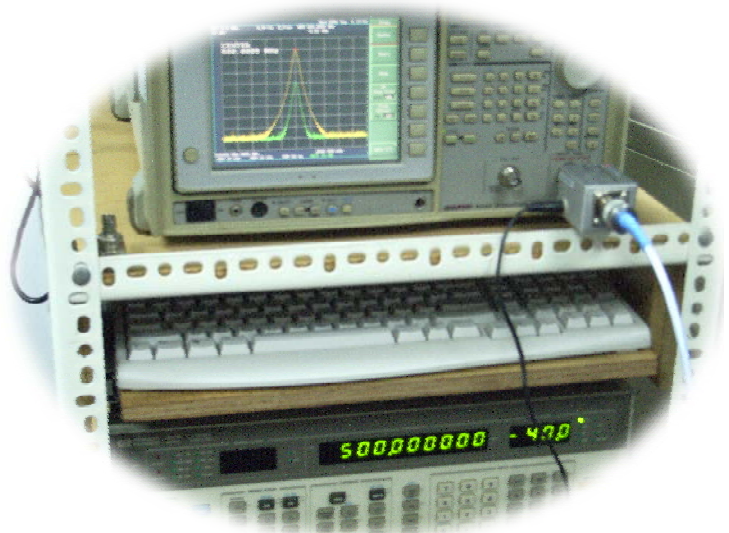


- The Preamplifier is used to increase the noise at low signal levels during the measurement of radiation noise and to widen the dynamic frequency range for the case of shielding material evaluator.
- Thanks to their wide bandwidth, high gain and low noise figures of 4dB -6dB , The **FPA-6592G** Preamplifier offers a gain of $28 \pm 2\text{dB}$ over a wide frequency band from 9KHz to 1 GHz and 25dB to 17dB from frequency 1.1GHz to 2GHz
- The Preamplifier can be used to make significant improvement to overall system noise performance in many application.

The FPA-6591/2G preamplifier is compact and lightweight , they are powered by external power supply

Specifications:

Frequency Range: 9KHz to 2GHz
Gain : $28 \pm 2\text{dB}$ (9KHz to 1GHz)
(> 16dB at 2GHz)
Gain flatness: 2dB peak to peak or less
Noise figure : <5dB
I/O impedance : 50 ohm
I/O VSWR : 2.0 or less
Max. input power : 0 dBm
Input connector : N female
Output connector : N male
Output voltage (1dB gain compression) : 0dBm
DC power : +12VDC $\pm 10\%$ un stabilised 350mA
DC power connector : DC jack 8840A $\varnothing 2.5$
Power dissipation : <2 watt or less
Weight : 0.3Kg or less
Dimension : 500 x 400 x 300 mm



Standard accessories :

The basic set is packaged in a practical carrying case and comprises :

- Carrying case 28 x 23 x 19 cm (11.02" x 9.05" x 7.48" approx.)
- FPA-6592G 9k to 2GHz Preamplifier
- AC/DC Power adaptor (Input : 100-250 V, 50/60Hz Output : 12Vdc 350mA max.)
- Operation instruments
- Individual Gain data sheet

