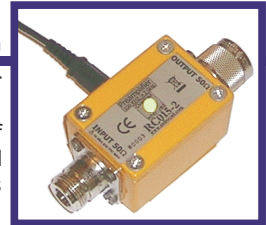




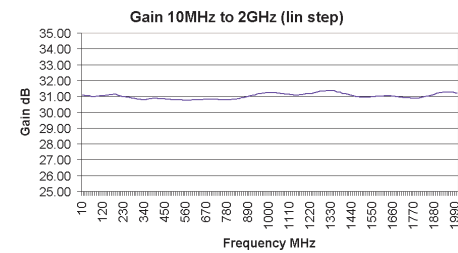
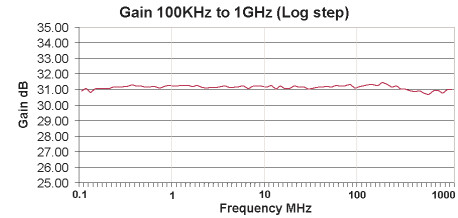
RC015-2



The RC015-2 is a low-noise preamplifier designed for precision EMC measurements. A built in overload indicator LED continuously shows the validity of measurements. The input is Transient and ESD hardened allowing direct connection to many LISNs. The unit is supplied with a tough carry case and DC power adaptor.

Specification

Characteristic impedance	50 Ω
Nominal Gain	31 dB
Bandwidth	100 KHz → 2 GHz
Ripple	±0.75 dB
Noise Figure	2.3 dB @ 1 GHz
P1dB (1 dB compression point)	-32.5 dBm @ input
Indication threshold	-45 dBm @ input
THD @ indication threshold	<0.35 %
Input Protection (ESD)	+/-6 kV (IEC61000-4-2)
Weight (preamp // carry case)	0.15 Kg // 1.0 Kg
Power	9 V // 80 mA



Application



The RC015-2 is designed to fit directly onto the N-type input of a spectrum analyser. It reduces the instrument's measurement noise floor by typically 20 dB.

The pre-amplifier / spectrum analyser combination allow you to make sensitive EMC measurements normally only possible with an EMC test receiver.

The RC015-2 is very linear for small signals producing negligible false harmonics. When the input signal level rises to a point where false harmonics become a problem the indication LED turns red.

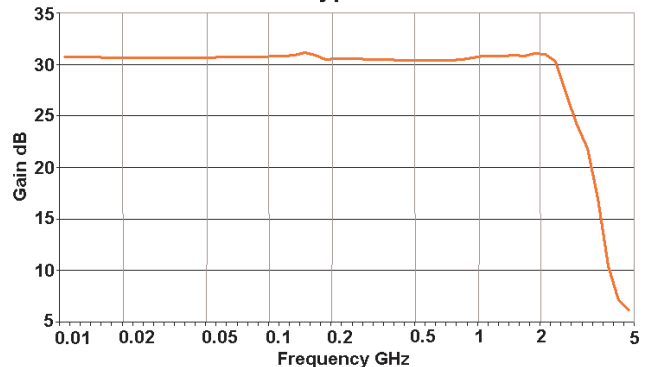


Ordering information

RC015-2-UK	UK 230 VAC adaptor & carry case
RC015-2-EU	Euro 230 VAC adaptor & carry case
RC015-2-US	US 110 VAC adaptor & carry case



RC015-2 Typical Gain



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