

EANT1c VLF preamplifier



developed by **BL-Electronics**

EANT1c VLF preamplifier

The EANT1c preamplifier was designed for a whip antenna. It has one channel. The used whip antenna is usually 3m-6m vertically oriented cable.

Technical parameters:

| Transfer function: | see figure 1. |
|--------------------------------|----------------------------------|
| Gain: | +20 dB |
| Max. input signal: | 250 mV _{pp} |
| Max. output signal: | 2.5 V _{pp} differential |
| Differential output impedance: | 970 Ω |
| Differential load impedance: | 200 Ω |
| Size (mm): | 115(W)*65(D)*40(H) |
| Input voltage: | +12V ±1V |
| Input current: | 20mA |

SIGNAL connector: (Binder 680-female 09-0328-00-07)

| pin | signal name | |
|-----|-------------|---------------|
| 1 | +12V | |
| 2 | PGND | |
| 3 | PGND | Power ground |
| 4 | GND | Signal ground |
| 5 | SHIELD | Cable shield |
| 6 | S+ | Signal+ |
| 7 | S- | Signal- |



looking from outside

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figure 1: Transfer function of EANT. (measured with C-60).

Cable connections between VR2 and EANT1c and power supply are shown on the following page.

