



**BONN HUNGARY  
ELECTRONICS**

**950 – 2150 MHz  
DOWNCONVERTER**

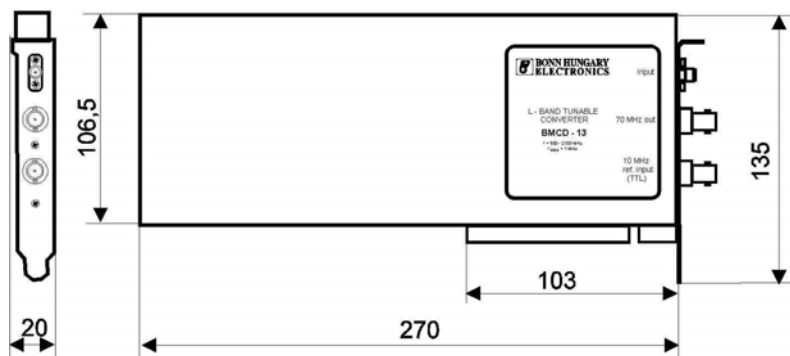
**BMCD13**  
NDS # 960

an ISO 9001 Certified Company



- **1 kHz STEP SIZE**
- **VERY LOW PHASE NOISE**
- **LOW POWER CONSUMPTION**
- **SMALL SIZE**
- **ISA SLOT CARD**
- **MULTIPLE CARDS in ONE PC**

|                             |   |   |
|-----------------------------|---|---|
| Input Frequency Range       | : | 950 - 2150 MHz  |
| Input Power Level           | : | -40... -60 dBm  |
| Noise Figure                | : | < 12 dB   |
| Image Frequency Selectivity | : | > 30 dB   |
| Output Frequency Band       | : | 50 – 90 MHz, with linear phase filter                             |
| Frequency Reference         | : | 10 MHz external / internal with automatic changeover              |
| Frequency Reference Level   | : | TTL   |
| Frequency Accuracy          | : | 2 ppm, internal TCXO  |
| Nominal Gain                | : | 15 ± 2 dB   |
| Gain steps:                 | : | -5, 0, 5, 10, 15 dB   |
| Frequency steps             | : | 1 kHz   |
| Phase Noise                 | : | -85 dBc/Hz @ 1 kHz<br>-90 dBc/Hz @ 10 kHz                         |
| 3.-rd order Intermodulation | : | typ: -50 dBc @ F and F+1MHz, -40 dBm input (F is “in band” freq.) |
| Control                     | : | Through LINUX network (Windows version under preparation)         |
| Input RF Connector          | : | SMA-female, PC back   |
| Output RF Connector         | : | BNC-female, PC back   |
| Frequency Ref. Connector    | : | BNC-female, PC back   |
| Supply Voltage              | : | +12 V / 500 mA<br>+5 V / 0.25 A<br>-5 V / 0.01 A                  |
| Dimension:                  | : | 270 x 110 x 20 mm, ISA slot card                                  |



**BONN Elektronik**  
RF Systems, Instruments and Components

