

# BTA

## 9 kHz ... 220 MHz

## Broadband Hybrid

### Standard Models

| Model         | Frequency Range   | Output Power<br>$P_N$ min<br>W | Gain<br>min / typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>kW | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|---------------|-------------------|--------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| BTA 0122-250  | 9 kHz ... 220 MHz | 250                            | 54 / 57 $\pm$ 3         | 12 / 20                       | 2.5              | 8 HU, 800                          | 75           |
| BTA 0122-500  | 9 kHz ... 220 MHz | 500                            | 57 / 60 $\pm$ 3         | 12 / 20                       | 7                | 15 HU, 800                         | 160          |
| BTA 0122-1000 | 9 kHz ... 220 MHz | 1000                           | 60 / 63 $\pm$ 3         | 12 / 18                       | 12               | 15 HU, 800                         | 200          |
| BTA 0122-2000 | 9 kHz ... 220 MHz | 2000                           | 63 / 66 $\pm$ 3         | 12 / 18                       | 25               | 2x18 HU, 800                       | 400          |

### Standard Specifications:

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Input Power:          | 0 dBm (1 mW) max.                                     |
| Overdrive Protection: | up to +10 dBm for no damage                           |
| Input Impedance:      | 50 Ohm nominal                                        |
| Output Impedance:     | 50 Ohm nominal                                        |
| Input VSWR:           | <2:1 typ                                              |
| Load VSWR:            | 2:1 max. for $P_N$ -0.5 dB;<br>infinite for no damage |
| Spurious (at $P_N$ ): | -50 dBc typ. (excluding harmonics)                    |
| Class of Operation:   | A-linear                                              |

### General:

|            |                                                                           |
|------------|---------------------------------------------------------------------------|
| RF Input:  | N-f; standard on rear panel                                               |
| RF Output: | standard on rear panel<br>N-f ( $P_N$ up to 1 kW)<br>7/16-f ( $P_N$ 2 kW) |

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|                      |                                                                                |
|----------------------|--------------------------------------------------------------------------------|
| Mains Supply:        | 3x400 V AC / 50 Hz                                                             |
| Elapsed Time Meter:  | via status display                                                             |
| Ambient Temperature: | 0 ... +45 °C                                                                   |
| Storage Temperature: | –20 ... +85 °C                                                                 |
| Relative Humidity:   | up to 95% (non–condensing )                                                    |
| Operating Altitude:  | up to 2000 m above sea level                                                   |
| Vibration and Shock: | normal laboratory environment                                                  |
| Cooling:             | forced air with integral blower,<br>air intake from bottom, air exhaust at top |

**Options:**

|                                      |                           |
|--------------------------------------|---------------------------|
| A) RF Monitor Outputs                | F) Gain Adjustment        |
| B) External Dual Directional Coupler | L) Extractor Hood         |
| C) IEEE–488.2 GPIB Remote Control    | R) RS–232C Remote Control |
| D) Front Panel RF Connectors         | U) USB Remote Control     |
| E) Power Indication (digital)        |                           |

Specifications are subject to change without notice



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