

## STANDARD MODELS

| Model            | Frequency Range | Output Power<br>$P_N$ min / typ<br>W | Gain<br>min / typ<br>dB | Harmonics<br>2nd / 3rd<br>dBc | Line Power<br>VA | Dimensions<br>(H, D)<br>19"-System | Weight<br>kg |
|------------------|-----------------|--------------------------------------|-------------------------|-------------------------------|------------------|------------------------------------|--------------|
| RFBW 01G2.5G-500 | 1 ... 2.5 GHz   | 500 / 650                            | 57 / 59 ±2              | 18 / 20                       | 3500             | 9 HU, 630 mm                       | 88           |

1 HU = 44.45 mm

## 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:            | infinite for no damage (100% mismatch tolerant) |
|                       | $P_N$ -0.5 dB min. at VSWR 2:1                  |
| Spurious (at $P_N$ ): | -50 dBc typ. (excluding harmonics)              |
| Class of Operation:   | A-linear or AB-linear                           |

## GENERAL

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| RF Input:            | N-f, standard on rear panel                                                   |
| RF Output:           | 7-16-f, standard on rear panel                                                |
| Mains Supply:        | 3x 400 V AC ±10%, 47 ... 63 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: | MIL-STD-810 G                                                                 |
| Cooling:             | forced air with integral blower<br>air intake from front, air exhaust at rear |

## OPTIONS

|                                      |                                                      |
|--------------------------------------|------------------------------------------------------|
| A) RF-Sample Ports *)                | L) LAN Remote Control                                |
| B) External Dual Directional Coupler | N) Harmonics Filtering *)                            |
| C) IEEE-488.2 GPIB Remote Control    | R) RS-232C Remote Control                            |
| D) Front Panel RF Connectors         | S) Internal RF Switching Unit *)                     |
| E) RF Power Indication (digital) *)  | U) USB Remote Control                                |
| F) Gain Adjustment *)                | W) Liquid Cooling                                    |
| G) Output Isolator *)                | X) External Control of other Amplifiers              |
| H) DC Supply                         |                                                      |
| I) 3x 208 V AC / 60 Hz               | *) These options may reduce output power and/or gain |

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