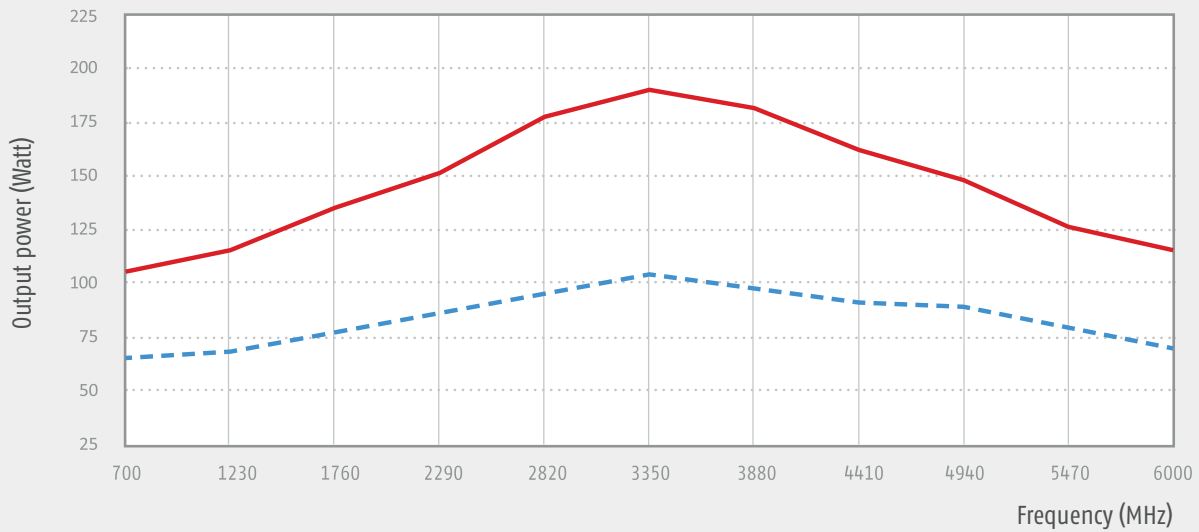
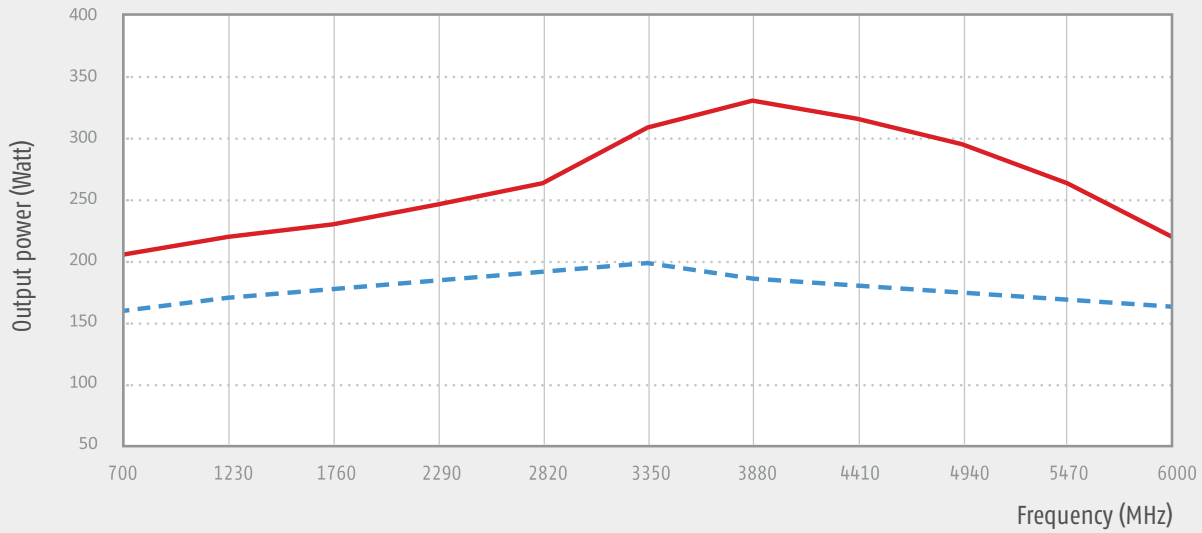


### FLG-100G



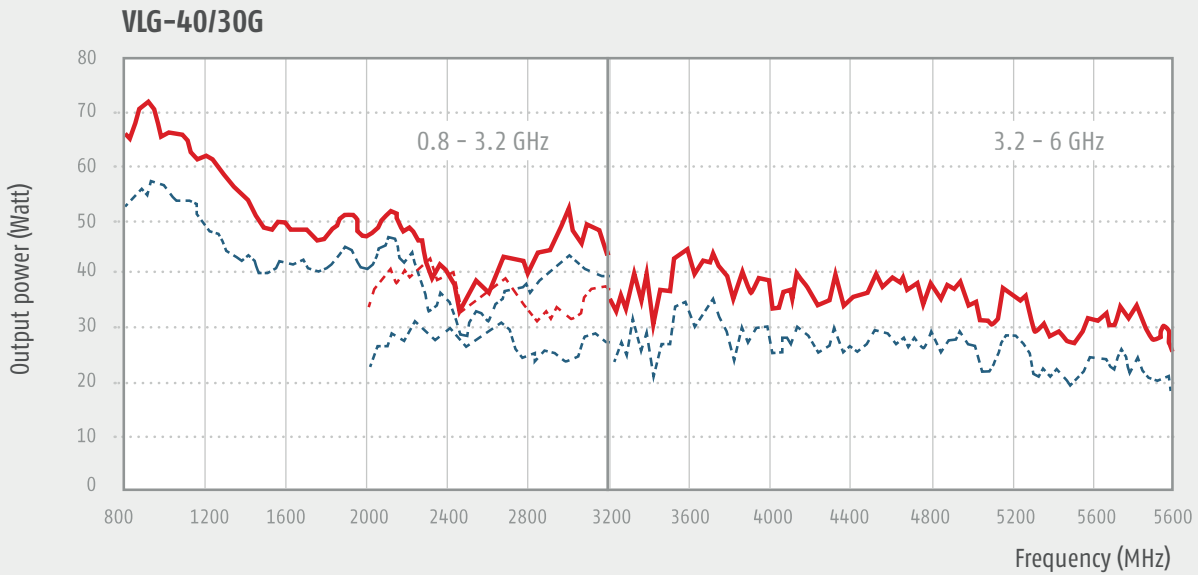
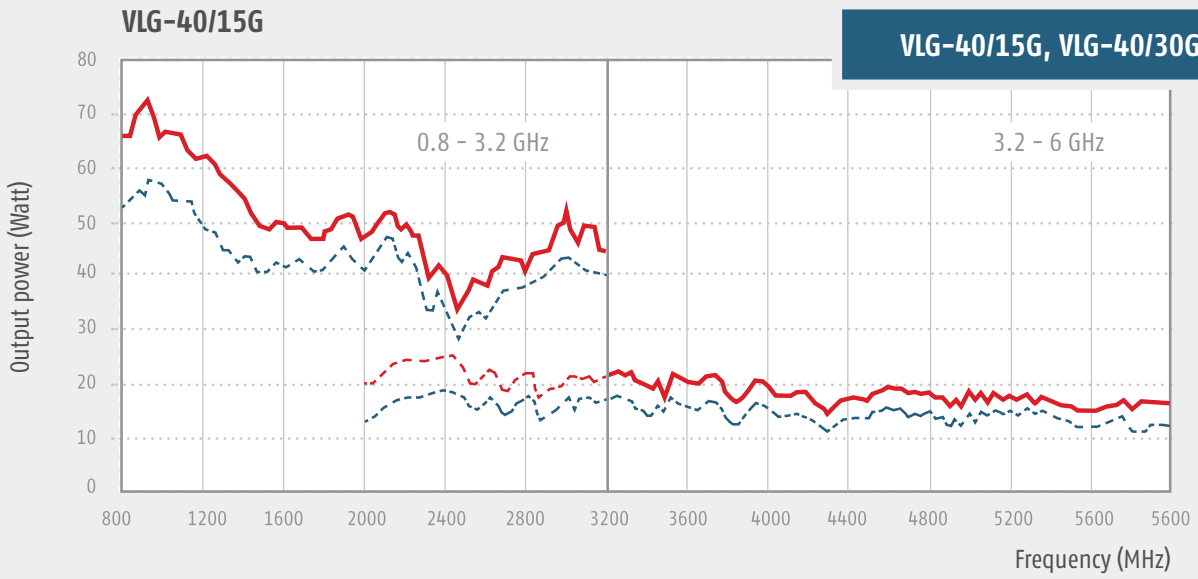
### FLG-200G



- Output Power (Compression max. = 3dB)
- ▤ Output Power (Compression max. = 1dB)

## 0.8 GHz – 6 GHz

| Part Number                               |   | VLG-40/15G                              | VLG-40/30G                               | VLG-70/15G                               |
|---|---|---|--|--|
| Frequency range                           |   | 0.8GHz-6GHz                             | 0.8GHz-6GHz                              | 0.8GHz-6GHz                              |
| Output Power typ.                         |   | 40W / 15W                               | 40W / 30W                                | 70 W / 15 W                              |
| Output Power @ 1dB Compression, typ. min. |   | see Diagramm                            | see Diagramm                             | see Diagramm                             |
| RF Input, max.                            |   | +10 dBm                                 | +10 dBm                                  | +10 dBm                                  |
| Gain, typ.                                |   | +47 dB                                  | +47 dB                                   | +50 dB                                   |
| Flatness, typ.                            |   | ±5 dB                                   | ±5 dB                                    | ±5 dB                                    |
| Input VSWR                                |   | 2:1                                     | 2:1                                      | 2:1                                      |
| Harmonics @ 1 dB comp.                    |   | H2, H3 <-20 dBc                         | H2, H3 <-20 dBc                          | H2, H3 <-20 dB                           |
| Class type                                |   | A                                       | A  | A  |
| Input / Output Impedance                  |   | 50 Ω / 50 Ω                             | 50 Ω / 50 Ω                              | 50 Ω / 50 Ω                              |
| Connectors In / Out                       |   | N(f)N(f)                                | N(f)N(f)                                 | N(f)N(f)                                 |
| Dimensions (mm)                           | W | 450                                     | 450                                      | 450                                      |
|   | H | 178 (4 HU)                              | 312 (7 HU)                               | 312 (7 HU)                               |
|   | D | 640                                     | 640                                      | 640                                      |
| Weight                                    |   | 25 kg                                   | 37 kg                                    | 37 kg                                    |
| Rated current                             |   | 3.3A @ 110VAC<br>1.6A @ 230VAC          | 1.7A @ 230VAC                            | 2.8A @ 230VAC                            |
| Power Supply (VAC)                        |   | 90-250, 47-63 Hz                        | 200-250, 47-63 Hz                        | 200-250, 47-63 Hz                        |
| Phases                                    |   | 1                                       | 1  | 1  |
| Operating Temperature (°C)                |   | 0 / +35                                 | 0 / +35                                  | 0 / +35                                  |
| Room temperature storage (°C)             |   | -20 / +70                               | -20 / +70                                | -20 / +70                                |
| Cooling / Forced air                      |   | Self contained fans<br>60 l / sec. max. | Self contained fans<br>120 l / sec. max. | Self contained fans<br>120 l / sec. max. |
| Following types available:                |   | D, DC                                   | D, DC                                    | D, DC                                    |



Output Power (compression max. = 1dB)



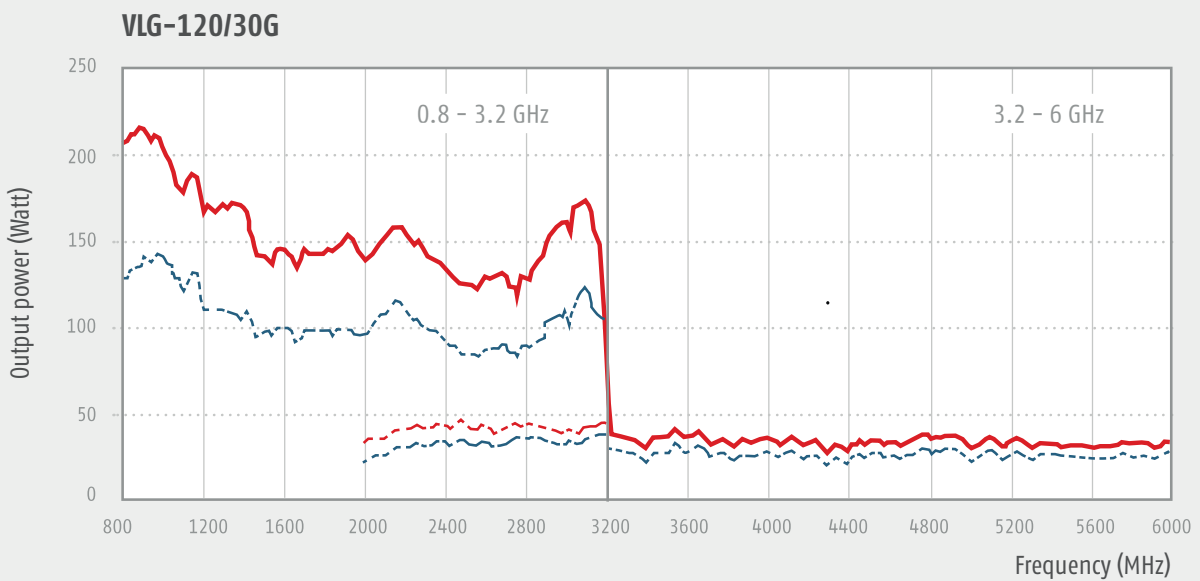
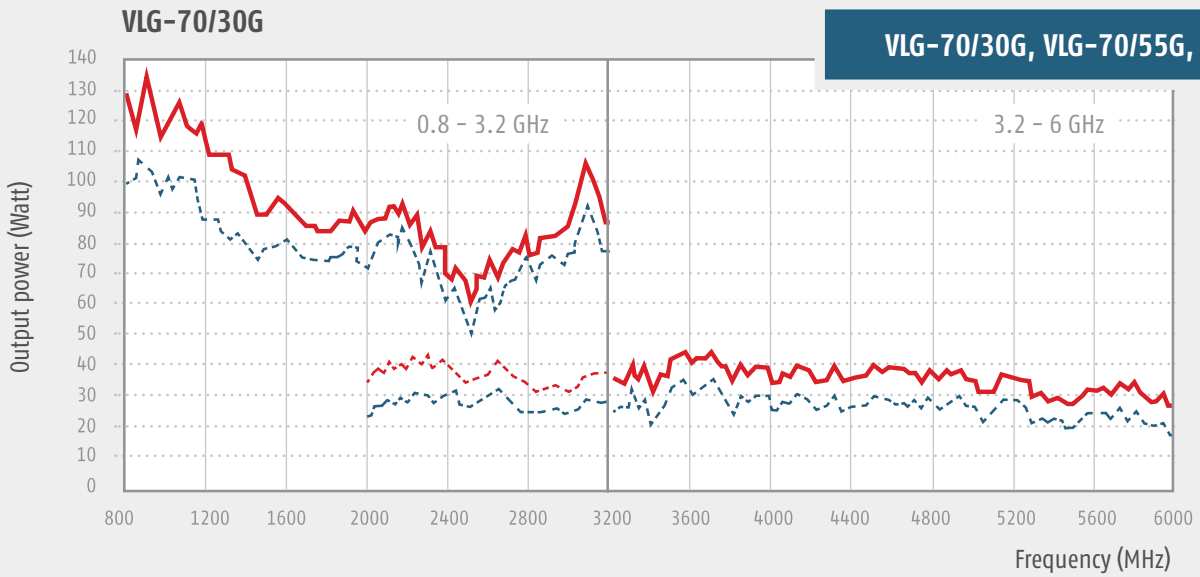
Output Power (compression max. = 3dB)



## 0.8 GHz – 6 GHz

| Part Number                               |   | VLG-70/30G                               | VLG-70/55G                               | VLG-120/30G                              |
|---|---|--|--|--|
| Frequency range                           |   | 0.8GHz-6GHz                              | 0.8GHz-6GHz                              | 0.8GHz-6GHz                              |
| Output Power typ.                         |   | 70 W / 30 W                              | 70 W / 55 W                              | 120 W / 30 W                             |
| Output Power @ 1dB Compression, typ. min. |   | see Diagramm                             | see Diagramm                             | see Diagramm                             |
| RF Input, max.                            |   | +10 dBm                                  | +10 dBm                                  | +10 dBm                                  |
| Gain, typ.                                |   | +50 dB                                   | +50 dB                                   | +50 dB                                   |
| Flatness, typ.                            |   | ±5 dB                                    | ±5 dB                                    | ±5 dB                                    |
| Input VSWR                                |   | 2:1                                      | 2:1                                      | 2:1                                      |
| Harmonics @ 1 dB comp.                    |   | H2, H3 <-20 dBc                          | H2, H3 <-20 dBc                          | H2, H3 <-20 dBc                          |
| Class type                                |   | A  | A  | A  |
| Input / Output Impedance                  |   | 50 Ω / 50 Ω                              | 50 Ω / 50 Ω                              | 50 Ω / 50 Ω                              |
| Connectors In / Out                       |   | N(f)N(f)                                 | N(f)N(f)                                 | N(f)N(f)                                 |
| Dimensions (mm)                           | W | 450                                      | 450                                      | 600                                      |
|   | H | 312 (7 HU)                               | 360 (8 HU)                               | 1050 (18 HU)                             |
|   | D | 640                                      | 640                                      | 840                                      |
| Weight                                    |   | 40 kg                                    | 45 kg                                    | 145 kg                                   |
| Rated current                             |   | 2.8A @ 230VAC                            | 3.3A @ 230VAC                            | 6.4A @ 230VAC                            |
| Power Supply (VAC)                        |   | 200-250, 47-63 Hz                        | 200-250, 47-63 Hz                        | 200-250, 47-63 Hz                        |
| Phases                                    |   | 1  | 1  | 1  |
| Operating Temperature (°C)                |   | 0 / +35                                  | 0 / +35                                  | 0 / +35                                  |
| Room temperature storage (°C)             |   | -20 / +70                                | -20 / +70                                | -20 / +70                                |
| Cooling / Forced air                      |   | Self contained fans<br>120 l / sec. max. | Self contained fans<br>120 l / sec. max. | Self contained fans<br>240 l / sec. max. |
| Following types available:                |   | D, DC                                    | D, DC                                    | D, DC                                    |

**VLG-70/30G, VLG-70/55G, VLG-120/30G**



Output Power (compression max. = 1dB)

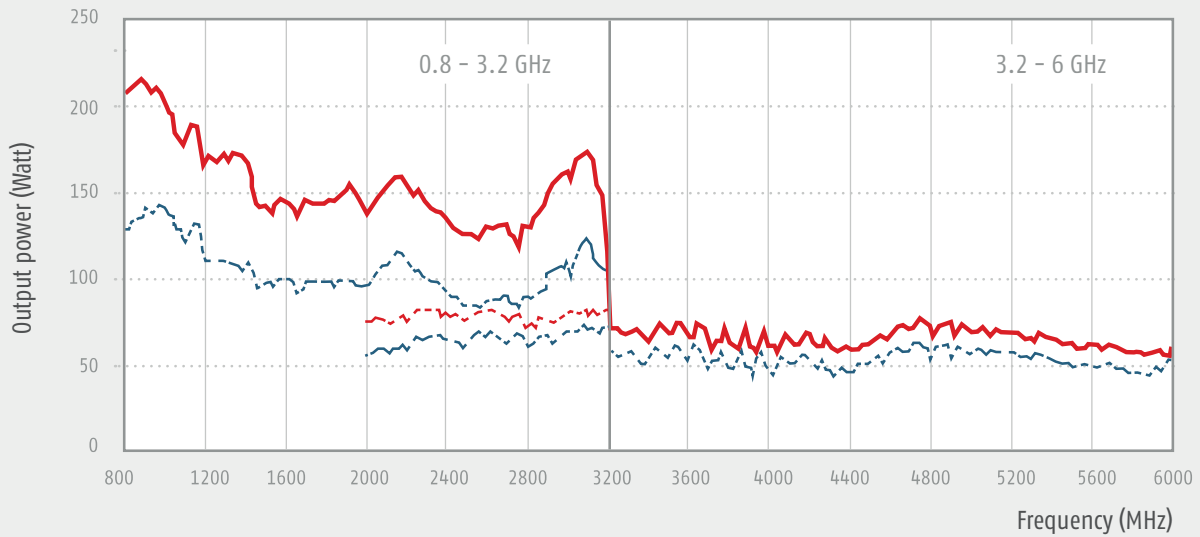
Output Power (compression max. = 3dB)

## 0.8 GHz – 6 GHz

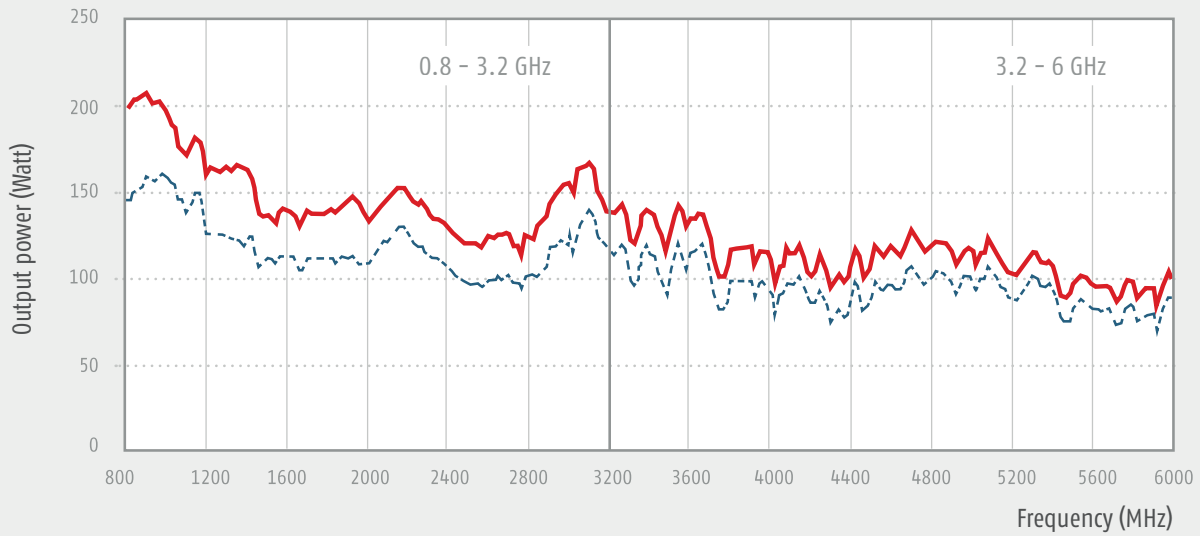
| Part Number                               |   | VLG-120/55G                          | VLG-120/100G                         |
|---|---|--------------------------------------|--------------------------------------|
| Frequency range                           |   | 0.8GHz-6GHz                          | 0.8GHz-6GHz                          |
| Output Power typ.                         |   | 120 W / 55 W                         | 120 W / 100 W                        |
| Output Power @ 1dB Compression, typ. min. |   | see Diagramm                         | see Diagramm                         |
| RF Input, max.                            |   | +10 dBm                              | +10 dBm                              |
| Gain, typ.                                |   | +50 dB                               | +50 dB                               |
| Flatness, typ.                            |   | ±5 dB                                | ±5 dB                                |
| Input VSWR                                |   | 2:1                                  | 2:1                                  |
| Harmonics @ 1 dB comp.                    |   | H2, H3 <-20 dBc                      | H2, H3 <-20 dBc                      |
| Class type                                |   | A                                    | A                                    |
| Input / Output Impedance                  |   | 50 Ω / 50 Ω                          | 50 Ω / 50 Ω                          |
| Connectors In / Out                       |   | N(f)N(f)                             | N(f)N(f)                             |
| Dimensions (mm)                           | W | 600                                  | 600                                  |
|   | H | 1050 (18 HU)                         | 1050 (18 HU)                         |
|   | D | 840                                  | 840                                  |
| Weight                                    |   | 145 kg                               | 145 kg                               |
| Rated current                             |   | 8A @ 230VAC                          | 10A @ 230VAC                         |
| Power Supply (VAC)                        |   | 200-250, 47-63 Hz                    | 200-250, 47-63 Hz                    |
| Phases                                    |   | 1                                    | 1                                    |
| Operating Temperature (°C)                |   | 0 / +35                              | 0 / +35                              |
| Room temperature storage (°C)             |   | -20 / +70                            | -20 / +70                            |
| Cooling / Forced air                      |   | Self contained fans 240l / sec. max. | Self contained fans 240l / sec. max. |
| Following types available:                |   | D, DC                                | D, DC                                |

## VLG-120/55G, VLG-120/100G

**VLG-120/55G**



**VLG-120/100G**



- Output Power (Compression max. = 3dB)
- Output Power (Compression max. = 1dB)

# 0.8 GHz – 6 GHz

| Part Number                               |   | VLG-220/55G                          | VLG-220/100G                         |
|---|---|--------------------------------------|--------------------------------------|
| Frequency range                           |   | 0.8GHz-6GHz                          | 0.8GHz-6GHz                          |
| Output Power typ.                         |   | 220 W / 55 W                         | 220 W / 100 W                        |
| Output Power @ 1dB Compression, typ. min. |   | see Diagramm                         | see Diagramm                         |
| RF Input, max.                            |   | +10 dBm                              | +10 dBm                              |
| Gain, typ.                                |   | +50 dB                               | +53 dB                               |
| Flatness, typ.                            |   | ±5 dB                                | ±5 dB                                |
| Input VSWR                                |   | 2:1                                  | 2:1                                  |
| Harmonics @ 1 dB comp.                    |   | H2, H3 <-20 dBc                      | H2, H3 <-20 dBc                      |
| Class type                                |   | A                                    | A                                    |
| Input / Output Impedance                  |   | 50 Ω / 50 Ω                          | 50 Ω / 50 Ω                          |
| Connectors In / Out                       |   | N(f)N(f)                             | N(f)N(f)                             |
| Dimensions (mm)                           | W | 600                                  | 600                                  |
|   | H | 1050 (18 HU)                         | 1050 (18 HU)                         |
|   | D | 840                                  | 840                                  |
| Weight                                    |   | 145 kg                               | 165 kg                               |
| Rated current                             |   | 13.7A @ 230VAC                       | 14A @230V VAC                        |
| Power Supply (VAC)                        |   | 200-250, 47-63 Hz                    | 200-250, 47-63 Hz                    |
| Phases                                    |   | 1                                    | 1                                    |
| Operating Temperature (°C)                |   | 0 / +35                              | 0 / +35                              |
| Room temperature storage (°C)             |   | -20 / +70                            | -20 / +70                            |
| Cooling / Forced air                      |   | Self contained fans 240l / sec. max. | Self contained fans 240l / sec. max. |
| Following types available:                |   | D, DC                                | D, DC                                |