

# 80 MHz – 1000 MHz

| Part number                                   | FLH-200B1  | FLH-300B1  | FLH-500B1  | FLH-1000B1   | FLH-2000B1  | FLH-5000B1   |
|---|--|--|--|--|---|--|
| Frequency range (Hz)                          | 80M-1000M  | 80M-1000M  | 80M-1000M  | 80M-1000M  | 80M-1000M   | 140M-1000M   |
| Max. output power typ. (W)                    | 200  | 300  | 500  | 1000   | 2000  | 5000   |
| Output power @ 1dB compression, typ. min. (W) | 120  | 200  | 350  | 700  | 1200  | -  |
| RF input, max. (dBm)                          | 0  | 0  | 0  | 0  | 0   | +3   |
| Gain (dB), typ.                               | +54  | +56  | +58  | +68  | +71   | +67  |
| Flatness (dB), typ.                           | ±2   | ±3   | ±3.0   | ±4   | ±4  | ±8   |
| IP3 (dBm), typ.                               | +59  | +62  | +64  | +64  | +64   | -  |
| Input VSWR, max.                              | 2:1  | 2:1  | 2:1  | 2:1  | 2:1   | 2:1  |
| Harmonics @ 1 dB comp., (dBc), typ.           | -20 @ 120W   | -20 @ 200W   | -20 @ 350W   | -15 @ 700W   | -20 @ 1200W   | -15  |
| Spurious signals @ 1 dB comp., (dBc), typ.    | <-60 @ 120W  | <-60 @ 200W  | <-60 @ 350W  | <-60 @ 700W  | <-60 @ 1200W  | <-60   |
| Input / output impedance (ohms)               | 50/50  | 50/50  | 50/50  | 50/50  | 50/50   | 50/50  |
| Connectors in / out                           | N(f)N(f)   | N(f)N(f)   | N(f)N(f)   | N(f)/7/16(f)   | N(f)/7/16(f)  | N(f)/7/16(f)   |
| Dimensions (mm)                               |  |  |  |  |   |  |
| W   | 483 (19")  | 483 (19")  | 483 (19")  | 788 (31")  | 788 (31")   | 1997 (78.6")   |
| H   | 134  | 178  | 223  | 610  | 610   | 562  |
| D   | 610  | 610  | 661  | 661  | 661   | 915  |
| Weight (kg)                                   | 28   | 39   | 50   | 125  | 125   | 680  |
| AC power input (W)                            | 1800   | 3000   | 6000   | 10000  | 10000   | 12000  |
| Power supply (VAC)                            | 180-240  | 180-240  | 180-240  | 240  | 240   | 208  |
| Phases  | 1  | 1  | 1  | 3  | 3   | 3  |
| Operating temperature (°C)                    | 0/+50  | 0/+50  | 0/+50  | 0/+50  | 0/+50   | 5/+40  |
| Operating humidity Non-condensing (%)         | 95   | 95   | 95   | 95   | 95  | 90   |
| Cooling                                       | Internal forced air  | Internal forced air  | Internal forced air  | Internal forced air  | Internal forced air   | Liquid cooling for RF forced air for power supply  |
| Circuit protection                            | <ul style="list-style-type: none"> <li>• Thermal overload</li> <li>• Over current</li> <li>• Over voltage</li> </ul> | <ul style="list-style-type: none"> <li>• Thermal overload</li> <li>• Over current</li> <li>• Over voltage</li> </ul> | <ul style="list-style-type: none"> <li>• Thermal overload</li> <li>• Over current</li> <li>• Over voltage</li> </ul> | <ul style="list-style-type: none"> <li>• Thermal overload</li> <li>• Over current</li> <li>• Over voltage</li> </ul> | <ul style="list-style-type: none"> <li>• Thermal over-load</li> <li>• Over current</li> <li>• Over voltage</li> </ul> | <ul style="list-style-type: none"> <li>• Thermal overload</li> <li>• Over current / voltage</li> <li>• VSWR protection</li> <li>• RF output overdrive, etc.</li> </ul> |

Specifications at 25°C | Specifications subject to change without notice