



## HPG-13

800-1000 MHz

### High Power (100W) Synthesized Signal Generator

#### Functional Description

Combining a synthesized signal generator with a high power amplifier, this 19-inch rack-mount unit is capable of generating continuous wave and pulse signals with adjustable frequency from 800 to 1000 MHz and adjustable output power from -20 to +50 dBm (100W). It provides frequency and power sweeping (up, down, and bi-directional) and hopping over frequencies, power levels, or both. Additional features include a Power Lock function providing automatic level control to within  $\pm 0.125$  dB and a sampled RF output port with 30 dB attenuation, allowing easy monitoring of output signal level and providing a low power output. Other frequency bands available upon request.

#### Electrical Performance

PARAMETER	Unit	Min.	Typ.	Max.
Output Frequency Range	MHz	800	-	1000
Output Frequency Resolution (Step Size)	kHz	-	5	-
Output Power Range	dBm	-20	-	+50
Output Power Resolution (Step Size)	dB	-	0.25	-
Pulse Rise Time	ns	-	19.05	-
Pulse Width Resolution	$\mu$ s	1.0	-	-
2 <sup>nd</sup> Harmonic @ 40 dBm Pout	dBc	-	55	-
3 <sup>rd</sup> Harmonic @ 40 dBm Pout	dBc	-	80	-
Non-Harmonic Spurious @ 40 dBm Pout	dBc	-	70	-
Supply Voltage	V	-	110	-



## *Daisy Chain up to 256 Output Ports*

Popular for burn-in testing, the HPG-13 can be daisy chained with multiple 16-way, 100W splitter modules (ZT-16HPS-23) to provide up to 256 coherent RF channels. Supporting parallel testing of many devices simultaneously, this setup can save significant testing time and cost.

*See page 64 for details on the ZT-16HPS-23 100W 16-way splitter matrix.*