

Rack-Mounted | USB & Ethernet Control 80-Channel HTOL System

HTOL-700-2700-3W

50Ω 700-2700 MHz 3W per Channel

Big Deal

- Fully integrated test system
- 80 output channels
- 3W saturated power per channel
- Coverage of 700-2700 MHz cellular bands

Typical Applications

- High Temperature Operating Life (HTOL)
- High power burn-in / RF stress testing
- Semi-conductor / component qualification
- High power signal source & distribution
- EMC / EMI testing

Product Overview

HTOL (high temperature operating life) is a test methodology intended to stress a device over an extended period of time, allowing calculation of a device's long-term reliability. The test is applicable to a wide range of component manufacturing applications, IC manufacturers in particular, including amplifiers, filters and transceivers.

The concept requires a high power signal source and an RF splitter system to distribute a test signal over a large number of DUT (device under test) channels in parallel, allowing a statistically significant calculation of reliability to be made.

HTOL-700-2700-3W is a ready-made, integrated test system, designed for HTOL / burn-in test applications. The complete setup is supplied in a standard 19" rack cabinet and is capable of driving 80 parallel DUT at 3W each in the 700-2700 MHz band.

The dual signal sources can be controlled via USB or Ethernet (supporting both HTTP and Telnet network protocols). Full software support is provided, including our user-friendly GUI application for Windows and a full API with programming instructions for Windows and Linux environment.



* Similar system pictured

System Mechanical Specifications

Dimensions	19" (W) x 37U (H) x 20" (D)			
RF Connectors	Panel	Connector	Quantity	Function
	Front	SMA female	80	DUT connections
Power Supply	AC mains power input (90-260 V, 47-63 Hz)			
Temperature	Operating: 0 to +50 °C			

Included Modules

Module Part #	Quantity	Function
SSG-6000RC	2	CW signal source (25-6000 MHz)
		https://www.minicircuits.com/WebStore/dashboard.html?model=SSG-6000RC
ZAPD-2-272-N+	1	2-way splitter (700-2700 MHz)
		https://www.minicircuits.com/WebStore/dashboard.html?model=ZAPD-2-272-N%2B
ZB3PD-63-N+	1	3-way splitter (150-6000 MHz)
		https://www.minicircuits.com/WebStore/dashboard.html?model=ZB3PD-63-N%2B
HPA-272+	5	High power amplifier (700-2700 MHz, 100W saturated)
		https://www.minicircuits.com/WebStore/dashboard.html?model=HPA-272%2B
ZT-16HPS-63W	5	10-way power splitter (700-6000 MHz, 100W input)
		https://www.minicircuits.com/WebStore/dashboard.html?model=ZT-16HPS-63W-S

Functional Block Diagram

