



Gigahertz Transverse Electromagnetic Cell

GTEM

- IEC 61000-4-3
- IEC 61000-4-20
- GB/T 17626.3

Introduction

The GTEM Gigahertz Transverse Electromagnetic Cell complies with IEC 61000-4-3/-20. It provides an effective test solution for evaluating the susceptibility of small electronic products to radiated electromagnetic field interference.

The GTME mainly consists of a standard signal generator, power amplifier, field strength monitor, computer with control software, and GTEM cell.

Technical Parameters

GTEM 250 Technical Parameters	
Max. Input Power	250 W/500 W
Number of EUT Power Sockets	1
External Dimensions	115 (L)*64 (W)*44 (H) mm
Door Opening Dimensions	30 (W)*23 (H) mm
Casters	/
Max. EUT Dimension	20 (L)*20 (W)*15 (H) mm
Defined Testing Volume (± 3 dB, <1 GHz)	15 (L)*15 (W)*10 (H) mm
Septum Height	250 mm
Shield Performance	10 kHz ~ 10 MHz: >50 dB
Connector	N type
Impedance	50 Ω
Frequency	0.1 MHz ~ 8 GHz
Typical VSWR	1:1.2
Weight	80 kg
GTEM 500 Technical Parameters	
Max. Input Power	500 W/1,000 W
Number of EUT Power Sockets	2
External Dimensions	300 (L)*165 (W)*110 (H) mm
Door Opening Dimensions	42 (W)*40 (H) mm
Casters	Optional
Max. EUT Dimension	40 (L)*40 (W)*30 (H) mm
Defined Testing Volume (± 3 dB, <1 GHz)	30 (L)*30 (W)*15 (H) mm
Septum Height	500 mm
Shield Performance	10 kHz ~ 10 MHz: >50 dB
Connector	N type
Impedance	50 Ω
Frequency	0.1 MHz ~ 8 GHz
Typical VSWR	1:1.2
Weight	200 kg
GTEM 750 Technical Parameters	
Max. Input Power	600 W/1,200 W
Number of EUT Power Sockets	2
External Dimensions	400 (L)*220 (W)*147 (H) mm
Door Opening Dimensions	61 (W)*61 (H) mm
Casters	Standard Accessory
Max. EUT Dimension	60 (L)*60 (W)*50 (H) mm
Defined Testing Volume (± 3 dB, <1 GHz)	45 (L)*45 (W)*25 (H) mm
Septum Height	750 mm
Shield Performance	10 kHz ~ 20 MHz: >100 dB
Connector	N type

Technical Parameters

GTEM 750 Technical Parameters	
Impedance	50 Ω
Frequency	0.1 MHz ~ 8 GHz
Typical VSWR	1:1.2
Weight	400 kg
GTEM 1000 Technical Parameters	
Max. Input Power	800 W/1,600 W
Number of EUT Power Sockets	2
External Dimensions	500 (L)*276 (W)*184 (H) mm
Door Opening Dimensions	79 (W)/*79 (H) mm
Casters	Standard Accessory
Max. EUT Dimension	75 (L)*75 (W)*70 (H) mm
Defined Testing Volume (± 3 dB, <1 GHz)	60 (L)*60 (W)*30 (H) mm
Septum Height	1,000 mm
Shield Performance	10 kHz ~ 20 MHz: >100 dB
Connector	N type
Impedance	50 Ω
Frequency	0.1 MHz ~ 8 GHz
Typical VSWR	1:1.2
Weight	650 kg
GTEM 1250 Technical Parameters	
Max. Input Power	800 W/1,600 W
Number of EUT Power Sockets	2
External Dimensions	600 (L)*330 (W)*220 (H) mm
Door Opening Dimensions	100 (W)/*100 (H) mm
Casters	Standard Accessory
Max. EUT Dimension	100 (L)*100 (W)*85 (H) mm
Defined Testing Volume (± 3 dB, <1 GHz)	75 (L)*75 (W)*42 (H) mm
Septum Height	1,250 mm
Shield Performance	10 kHz ~ 20 MHz: >100 dB
Connector	N type
Impedance	50 Ω
Frequency	0.1 MHz ~ 8 GHz
Typical VSWR	1:1.2
Weight	850 kg

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



3CTEST is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.