

TEM 220
TEM 500

TEM 1000

Open Transverse Electromagnetic Cell **TEM Series**

- IEC/EN 61000-4-20
- ISO 11452.3
- SAE J1113-24
SAE J1113-25
- SAE J1752-3
- GB/T 17626.20
- GB/T 33014.3

Features

- > VSWR ≤ 1.2 at frequencies up to 220 MHz
- > Max. frequency up to 1,000 MHz

Introduction

Then TEM Series Open Transverse Electromagnetic Cell is designed for automotive component immunity testing and complies with the requirements of ISO 11452-3 and IEC 61000-4-20. It is used for radiated immunity testing based on the Transverse Electromagnetic (TEM) cell method.

The VSWR is less than 1.2 at frequencies up to 220 MHz, and it can generate a maximum electric field strength of 800 V/m.

Application Areas



Technical Parameters

TEM 200 Technical Parameters	
Frequency	DC ~ 220 MHz
Septum Height	364 mm
Load Impedance	50 Ω
VSWR	<1.2
Max. Input Power	1,500 W
Max. Electric Field Strength	800 V/m
Field Strength Accuracy	$\pm 5 \%$
Input Power Connector	N type
Internal Dimensions	1,800*1,600*730 mm
External Dimensions	1,900*1,600*780 mm
TEM 500 Technical Parameters	
Frequency	DC ~ 500 MHz
Septum Height	147 mm
Load Impedance	50 Ω
VSWR	<1.2
Max. Input Power	1,000 W
Max. Electric Field Strength	1,500 V/m
Field Strength Accuracy	$\pm 5 \%$
Input Power Connector	N type
Internal Dimensions	900*810*270 mm
External Dimensions	970*1810*320 mm
TEM 1000 Technical Parameters	
Frequency	DC ~ 1,000 MHz
Septum Height	73 mm
Load Impedance	50 Ω
VSWR	<1.2
Max. Input Power	750 W
Max. Electric Field Strength	480 V/m
Field Strength Accuracy	$\pm 5 \%$
Input Power Connector	N type
Internal Dimensions	540*450*148 mm
External Dimensions	590*450*190 mm

Standard Accessories

User Manual

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