GTEM 250-R

GTEM cell for emissions and immunity testing

MAIN FEATURES

- **Emissions and immunity testing in a single, shielded environment**
- **Meets basic standard: IEC/EN 61000-4-20**
- **Meets standards for emissions testing: CISPR 14-1, IEC 61000-6-3 and IEC 61000-6-4 for EUTs without connected cables**
- **Ideal for design qualification and pre-certification**
- **Fields generated are largely homogeneous and simple to calculate**
- **Efficient power conversion requires smaller power amplifier**
- **Excellent VSWR over the entire frequency range - no need for measurement of reflected power**

	GTEM 250-R
Max. septum height	250 mm
Septum height at marker position	217 mm
EUT size (max. dimension, LxWxH in m)	0.20 x 0.20 x 0.15
EUT dimension for uniform-area 0 to 6 dB (LxWxH) in m	0.083 x 0.083 x 0.083
RF input connector	N-type
Nominal impedance	50 Ohm
Frequency range	DC up to 20 GHz
Frequency range according IEC/EN 61000-4-20	30 to 3000 MHz
Typical Return loss / VSWR (DC to 18 GHz)	>15 dB / <1.45:1
Shielding effectiveness (30 MHz to 3 GHz)	>60 dB (typ. >80 dB)
Max input power	100 W

	GTEM 250-R
Dimension (LxWxH in m)	1.23 x 0.66 x 0.54
Weight	approx. 45 kg
Height H1 of cell corpus	0.43 m
Height H2 of supports	0.11 m
Door (LxH in m)	0.20 x 0.13

Description	Item No	Text
GTEM 250-R	258899	GTEM with septum height 250 mm, door side right, max. RF input power 100 W, shielded window in door, optical feed through, empty filter box for individual use
SIA 250	225583	Option for GTEM 250: EUT Box to 10x 15 A filter with banana jacks, 4x 5 A filter with Sub-D 9 pins
SIB 250	225584	Option for GTEM 250: EUT Box to 2x 15 A filter with banana jacks, 37x 5 A filter with Sub-D 37 pins
SIC 250	255200	Option for GTEM 250: EUT Box to mains port 6 A, 6x filter with banana jacks and 9x filter with Sub-D 9 pins
SID 250	255215	Option for GTEM 250: EUT Box to mains port 6 A, 2x filter with banana jacks, 1x PE and 15x filter with Sub-D 15 pins
EUT-BOX251	251151	Option for GTEM 250: Filter box with 4x 16 A power filter, 250 V AC, banana
EUT-BOX252	225507	empty EUT BOX of GTEM 250