

PPL200

Parallel Plate Line



The PPL200 parallel plate line is specially designed for the immunity test on small and medium-sized devices. It can also be used for specific tests according to the MIL Standards, for example MIL-STD-461 RS103 for frequencies up to 30 MHz. The main advantage of this line is that the equipment under test can be easily and successively tested in both polarisations without being dismantled. The line is electrically symmetrical, and the impedance is adapted through transformers on both sides. The line is easy to pivot and to move. The dielectric table can be removed. An included metallic plate can be placed on the table depending on the requirements of the different standards. The parallel plate line can also be used for immunity tests on automotive devices according to the European directive 2004/104/EC and on broadcast receivers and associated equipment according to EN 55020. Simpler models without rotation and chassis are also available (PPL200-70).



vertical polarisation

horizontal polarisation

SPECIFICATIONS

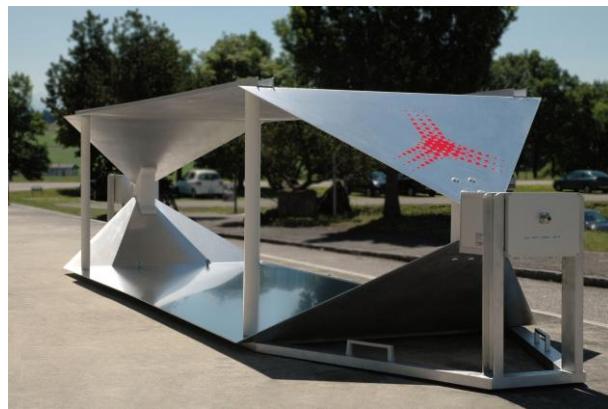
Type	PPL200
Polarisation	horizontal and vertical
Frequency range (± 1 dB)	10 kHz to 30 MHz
Field homogeneity (in 0.4 m^3)	± 0.4 dB
Maximum input power	500 W continuous 1 kW (20 min.)
Minimum field @ 500 W input power	250 V/m
Line / wave impedance	$200\ \Omega$ / $377\ \Omega$
Input impedance	$50\ \Omega$
VSWR	< 2.5
Connector type	N $50\ \Omega$
Distance between plates	106 cm
Total dimensions (L x W x H)	350 x 105 x 156 cm
Total weight	154 kg

PPL200-70

Parallel Plate Line



The PPL200-70 is a simpler model of parallel plate line, without rotation and chassis. It is specially designed for the immunity test on small and medium-sized devices. It can also be used for specific tests according to the MIL Standards, for example MIL-STD-461 RS103 for frequencies up to 30 MHz. The line is electrically symmetrical, and the impedance is adapted through transformers on both sides. The parallel plate line can also be used for immunity tests on automotive devices according to the European directive 2004/104/EC and on broadcast receivers and associated equipment according to EN 55020.



vertical polarization only

SPECIFICATIONS

Type	PPL200-70C	PPL200-70S
Polarisation	only vertical	only vertical
Frequency range (± 1 dB)	10 kHz to 30 MHz	10 kHz to 30 MHz
Field homogeneity (in 0.4 m^3)	± 1 dB	± 1 dB
Maximum input power	500 W continuous 1 kW (20 min.)	500 W continuous 1 kW (20 min.)
Minimum field @ 500 W input power	260 V/m	260 V/m
Line / wave impedance	$200\ \Omega$ / $377\ \Omega$	$200\ \Omega$ / $377\ \Omega$
Input impedance	$50\ \Omega$	$50\ \Omega$
VSWR	< 2.5	< 2.5
Connector type	N $50\ \Omega$	N $50\ \Omega$
Distance between plates	70 cm	70 cm
Total dimensions (L x W x H)	270 x 100 x 76 cm	370 x 100 x 76 cm
Total weight	75 kg	80 kg