

CS116 Damped Sinusoidal Generator



This test generator is designed to comply with the requirements of the MIL-STD 461 CS116. The test method CS116 is used to verify the ability of the EUT to withstand sinusoidal excitation on interconnecting cables. The pulse generator can be ordered with all the accessories in order to build the full test set-up, consisting basically of an injection probe, an attenuator and an oscilloscope. In addition to the basic requirements of the standard CS116, the number of discrete frequencies is increased to 9 or 17 instead of 6. This allows a better excitation of the resonances of the equipment under test. This generator has only one output and does not require any change of connexion during the test. That feature greatly reduces the test duration. The generator can be fully controlled by a computer through a RS232 or USB interface.

SPECIFICATIONS

Type	POG-CS116-6	POG-CS116-9	POG-CS116-17
Frequencies	10, 100 kHz 1, 10, 30, 100 MHz	10, 30, 100, 300 kHz 1, 3, 10, 30, 100 MHz	10, 18, 30, 56, 100, 180, 300, 560 kHz 1, 1.8, 3, 5.6, 10, 18, 30, 56, 100 MHz
Standard	MIL-STD 461 D / E / F CS116		
Output current	10 A on 100 ohm (depends on the frequency)		
Output impedance	< 100 ohm		
Damping factor	15 +/- 5		
Repetition rates	single, 0.5 Hz, 1 Hz		
Power rating	210 - 250 V _{ac} / 50 - 60 Hz / 35 W / 75 VA		
Generator weight	21 - 23 kg		
Dimensions	53 x 53 x 45 cm (L x W x H)		

Other versions and other frequencies are available on request.