

CDG Series - Datasheet

Capacitive voltage divider for GIS



DESCRIPTION

The CDG is a capacitive voltage divider for measuring the grid voltage and the phasing in the GIS. The CDG is connected to a sensor of GIS to measure the voltage. Due to the integrated capacitance the voltage level is reduced to a suitable voltage level, so that, for example, a CRO can be connected.

KEY FEATURES

- High voltage capacitor
- Compact design

ELECTRICAL SPECIFICATIONS

ABSOLUTE MAXIMUM RATINGS

AC input Voltage
275 VAC

Storage temperature
-40 ... 85 °C

DC input voltage
560 VDC

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

OPERATING CONDITIONS @ 25 °C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT
Capacitance	C	-	122	-	nF
			22		
			10		
			4.7		
			1.5		

Please ask for other capacitance.

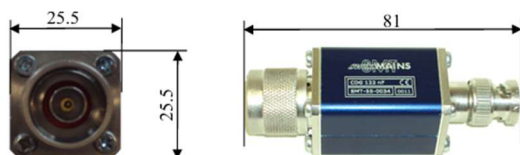
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MECHANICAL SPECIFICATIONS

DIMENSIONS



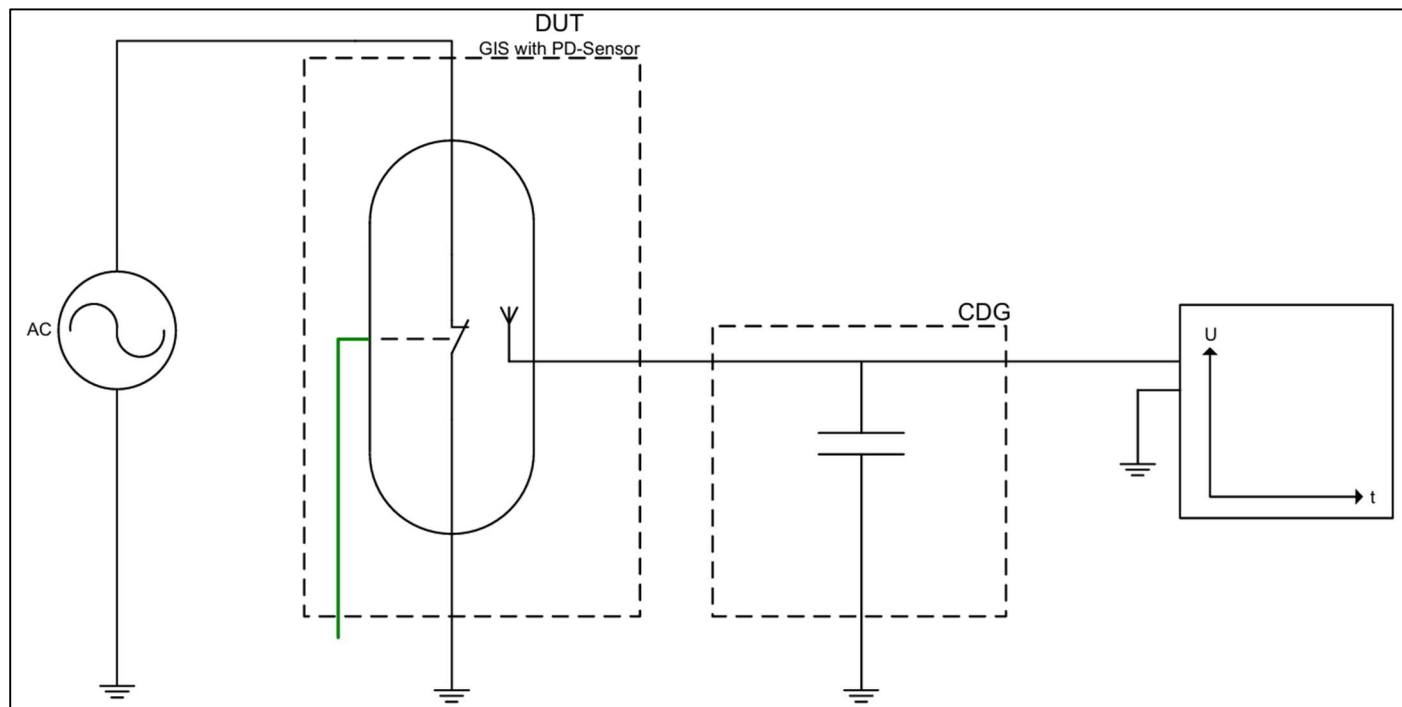
Length total	81 mm
Length housing	35 mm
Width / Height	25.5 mm
Weight	100 g

CONNECTIONS

RF IN
Type N male

RF OUT / DC IN
Type BNC male

TYPICAL APPLICATION



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