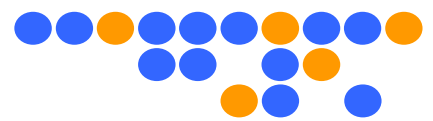


## DIN-type Calibration Kit (DC ~ 4 GHz)



### ■ Specification

Model		GCSD-4G
Connector Type		DIN-type (Male)
Frequency Range		DC ~ 4 GHz
LOAD		< -40 dB (Return Loss)
OPEN, SHORT	Magnitude	0.15 dB
	Phase Deviation	> $\pm 1^\circ$
Applicable Instruments		Agilent, Anritsu, Advantest VNA Series
Main Material		Stainless Steel



## ■ Mechanical Specification

1. Gauge: 1.732 ~ 1.770 mm (0.001 in)
2. Offset Length  
 Opens: 11.522 mm (38.433 psec)  
 Shorts: 11.392 mm (38 psec)

## ■ Electrical Specification

Device	Parameter	Specification	Frequency (GHz)
<b>Open</b>	Return loss	$\leq 0.15$ dB	DC to $\leq 4$ GHz
	Phase uncertainty	$\leq 0.5^\circ$	DC to $\leq 2$ GHz
	Phase uncertainty	$\leq 1.0^\circ$	$> 2$ to $\leq 6$ GHz
	Cal coefficient (Nominal model)	$C0 = -7.05 \times 10^{-15}$ F $C1 = -2592.90 \times 10^{-27}$ F/Hz $C2 = 6603.80 \times 10^{-36}$ F/Hz <sup>2</sup> $C3 = -1299.60 \times 10^{-45}$ F/Hz <sup>3</sup>	DC to $\leq 4$ GHz
<b>Short</b>	Return loss	$\leq 0.15$ dB	DC to $\leq 4$ GHz
	Phase uncertainty	$\leq 0.5^\circ$	DC to $\leq 2$ GHz
	Phase uncertainty	$\leq 1.0^\circ$	$> 2$ to $\leq 4$ GHz
	Cal coefficient (Nominal model)	$L0=0 \times 10^{-12}$ H $L1=0 \times 10^{-24}$ H/Hz $L2=0 \times 10^{-33}$ H/Hz <sup>2</sup> $L3=0 \times 10^{-42}$ H/Hz <sup>3</sup>	DC to $\leq 4$ GHz
<b>Load</b>	Return loss	$\geq 40$ dB	DC to $\leq 4$ GHz
	Power handling	$\leq 1$ W	DC to $\leq 4$ GHz