

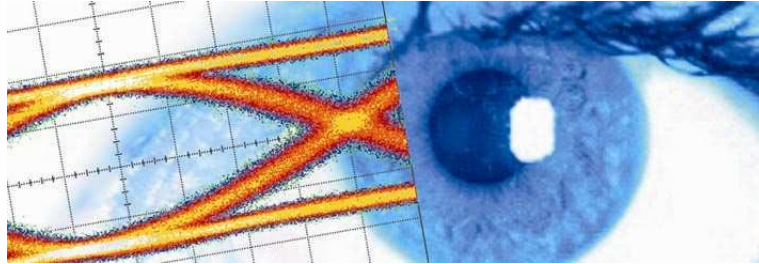


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# Datasheet

## SHF 2000DEL WOC

### Mechanical Delay Line





## Description

The SHF 2000DEL WOC is a manually operated mechanical delay line with broadband operation. For all application where it is required to delay electrical signals the SHF 2000DEL WOC is a perfect solution. The linear operation of the control handle enables an easy adaptation to motorized controls. To guarantee a long term stable performance over many mechanical cycles, the SHF 2000DEL WOC features a very robust trombone design.

## Features

- Broadband operation up to 20 GHz
- Very low insertion loss
- Robust trombone design
- Ideally suited for adaptation to motorized control

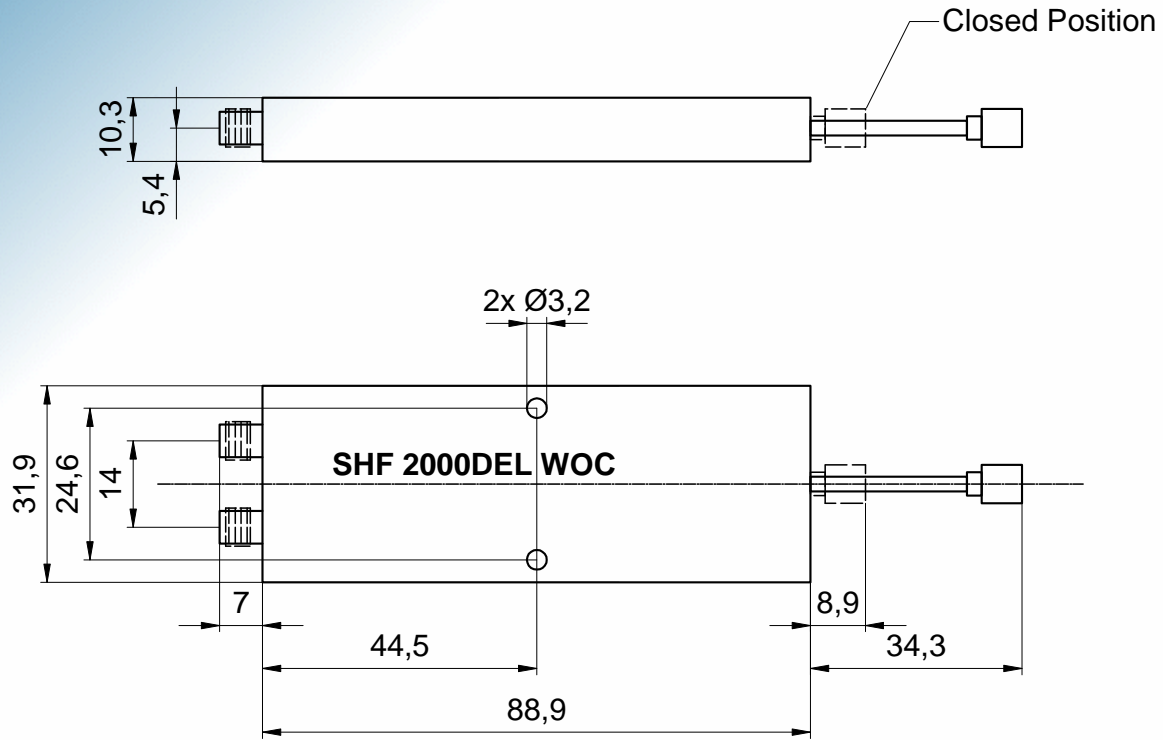
## Specifications

Parameter	Unit	Min.	Typ.	Max.	Conditions
Input / output impedance; connector Type	$\Omega$		50		3.5 mm female (SMA and 2.92mm compatible)
Low cut-off frequency	GHz	DC			
High cut-off frequency	GHz	18	20		
Maximum achievable delay variation <sup>1</sup>	ps	160			
Insertion loss	dB		1.2		@ 18 GHz
Input/output return loss	dB		13 11		< 10 GHz < 18 GHz,
Weight	g		80		
Dimensions (W x H x D)	mm				89 x 32 x 10.3 (without connectors and control handle)
Operating temperature	°C	10		35	
Storage temperature	°C	-20		70	

<sup>1</sup> Propagation delay variance between the status with fully extracted and a fully retracted slider (continuously variable by moving the slider)



# Mechanical Outline



Note: all dimensions in mm