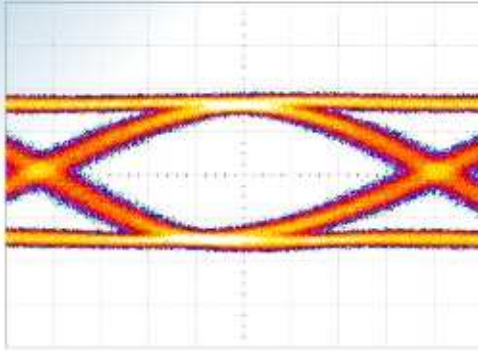


# SHF Communication Technologies AG

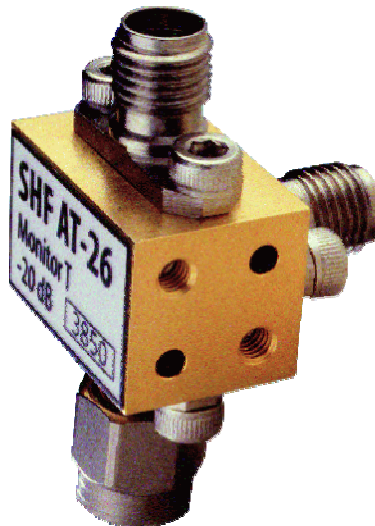
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## Datasheet SHF AT26 Monitor Tee



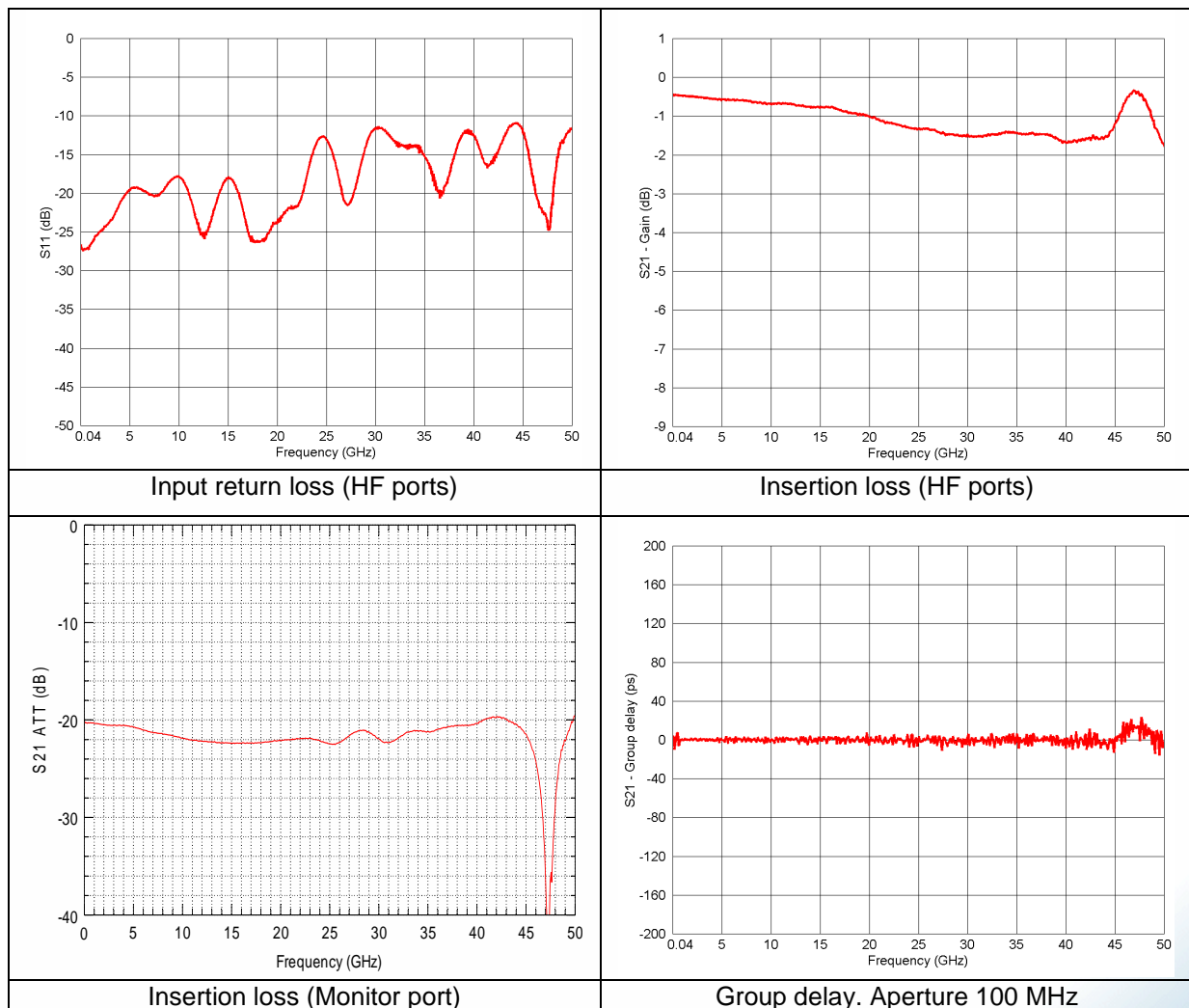


## Specifications – SHF AT26

Parameter	Symbol	Unit	Min	Typ	Max	Conditions
Bandwidth	BW	GHz	DC		40	
Signal attenuation	$S_{21}$	dB		1		
Monitor attenuation		dB	19.5	20	20.5	at 40 MHz
Rise time	$t_r$	ps			10	
Input power	$P_{in}$	dBm			36	
Reflection coefficient		%		5		
Input return loss	$S_{11}$	dB			15 10	>40 MHz <20 GHz >20 GHz <40 GHz
Input connector						2.9mm (K)
Output connector						2.9mm (K)
Dimensions (LxWxH)						18x12x12

The SHF AT26 Monitor Tee is used for monitoring very fast pulse signals at an attenuation level of 20 dB. Inserting it into 50  $\Omega$  systems makes only a small change to the waveform of the passing signals. The rise time of a 14 ps measuring system shows an increase of 1 ps due to the insertion of the AT 26. The unused output must be terminated with a 50  $\Omega$  load.

### S-parameters and group delay measurements





## Outline diagram

### ■ Applications

- Research and Development
- High-Speed Pulse Experiments
- Data Transmission

