

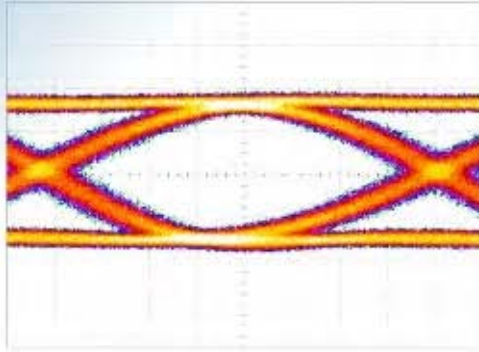


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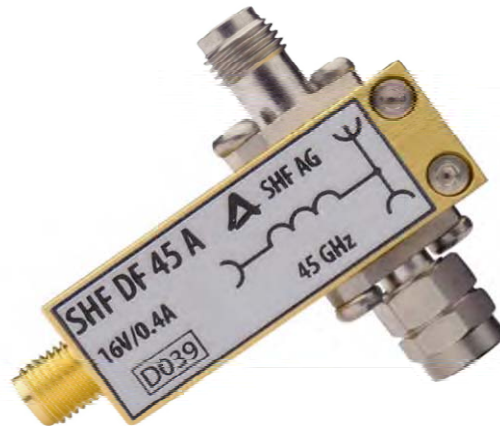
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Datasheet

SHF DF45

Broadband DC Feeder



Resonance free transmission performance to over 45 GHz
Innovative construction – Patent pending



SHF Communication Technologies AG
the bandwidth company



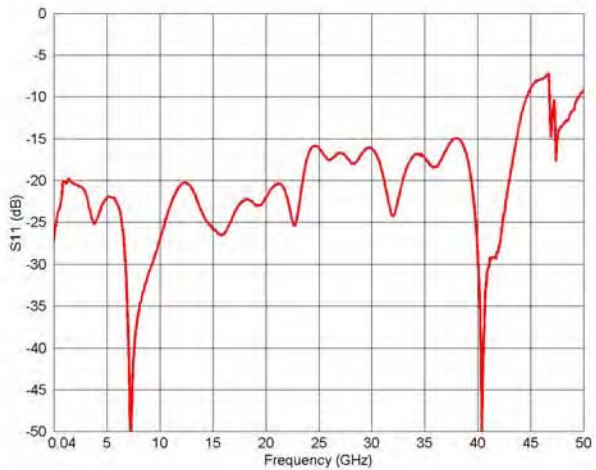
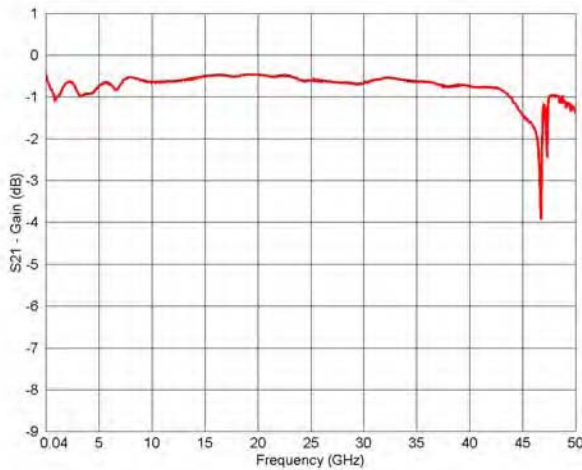


Specifications – SHF DF45

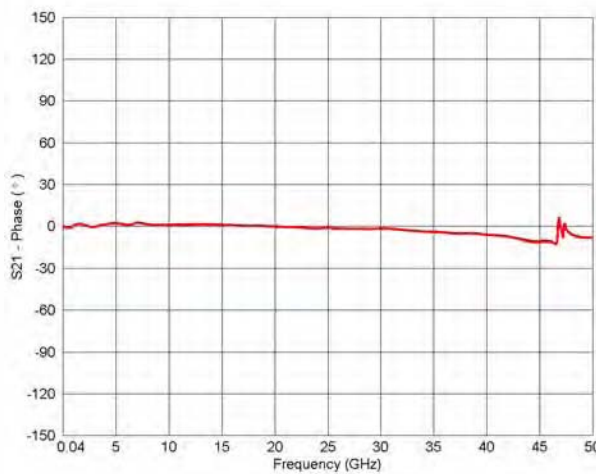
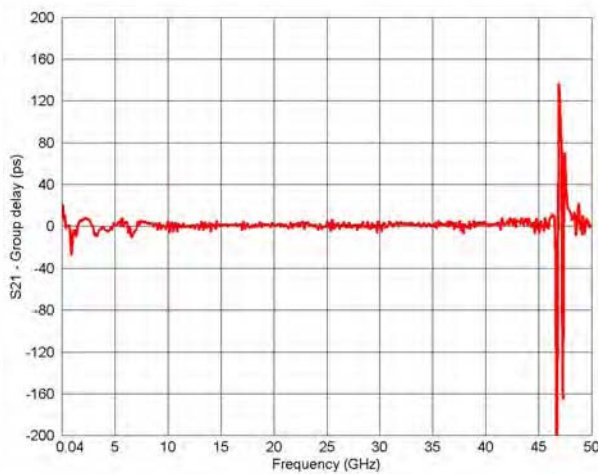
Parameter	Symbol	Unit	Min	Typ	Max	Conditions
High frequency 3 dB point	f_{HIGH}	GHz	45			
Insertion loss	S_{21}	dB		1	1.5	<40 GHz
Input return loss	S_{11}	dB			-17 -12	>500 kHz <15 GHz <40 GHz
Rise time/Fall time	t_r/t_f	ps			5	10...90%
Maximum current	I_{max}	mA			400	
Maximum voltage *	V_{max}				16	
Input connector						K (2.9 mm)
Output connector						K (2.9 mm)
Dimensions		mm				40x13x12.6

*100V, 200V versions available on request Note that this affects the S specification at low frequencies

Insertion loss and input return loss



Group delay and phase response



Aperture of group delay measurement: 100MHz



Outline diagram

Applications

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

The following combinations of connectors are available.

Please specify with your order.

