

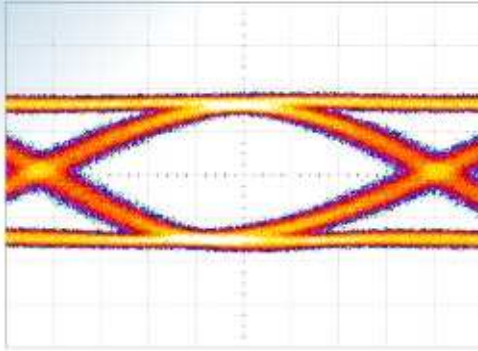


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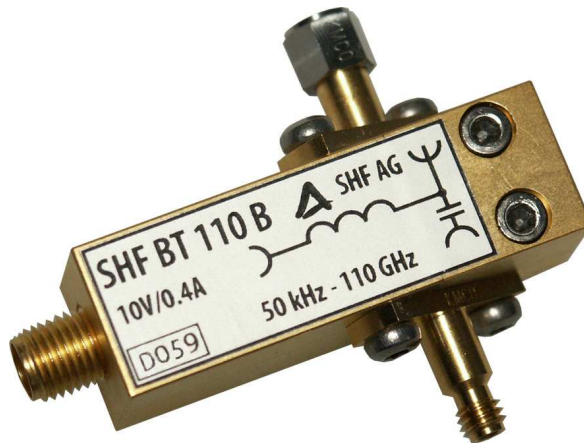
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Preliminary Datasheet

SHF BT110

Broadband Bias-Tee



Resonance free transmission performance from 50 kHz to over 110 GHz
Innovative construction – Patent pending



SHF Communication Technologies AG
the bandwidth company



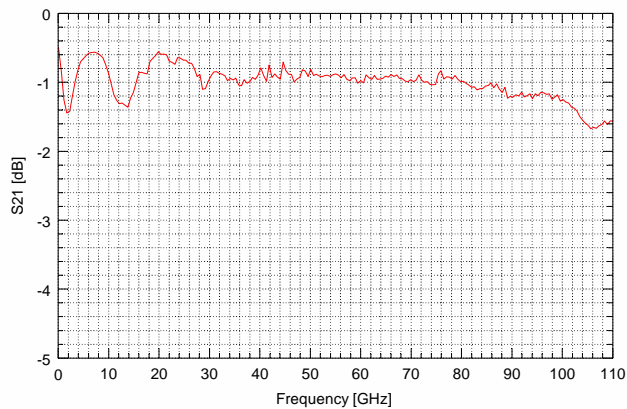


Specifications – SHF BT110

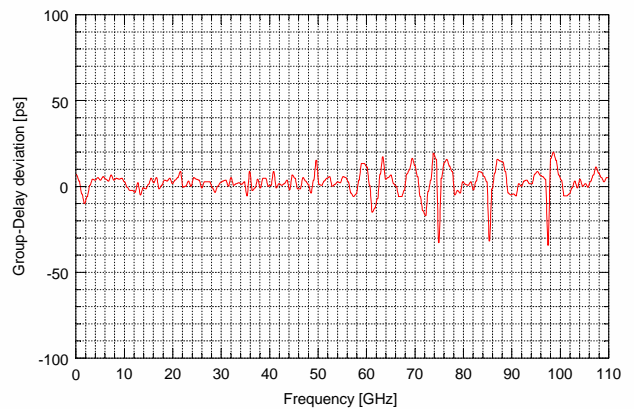
Parameter	Symbol	Unit	Min	Typ	Max	Conditions
High frequency 3 dB point	f_{HIGH}	GHz	110			
Low frequency 3 dB point	$*f_{LOW}$	kHz			50	@0V Bias Voltage
					150	@10V Bias Voltage
Insertion loss	S_{21}	dB		1.5		>20 GHz <70 GHz
Input return loss	S_{11}	dB			-15	>40 MHz <10 GHz
					-10	>10 GHz <90 GHz
Maximum input power	P_{max}	dBm			30	
Bias voltage	$*V_{bias}$	V			10	
Bias current	I_{bias}	mA			400	
Input connector						1mm (Male/Female)
Output connector						1mm (Male/Female)
Dimensions		mm				46.3 x 39 x 13.6 (max)

* other versions with f_{LOW} / V_{bias} (16V/25V) available on request, please contact SHF

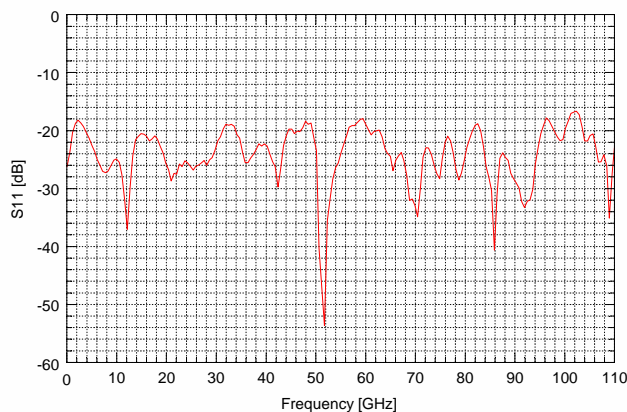
Insertion loss



Group delay deviation



Return loss





Mechanical drawing – SHF BT110

Applications

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

The following combinations of connectors are available.

Please specify with your order.

