

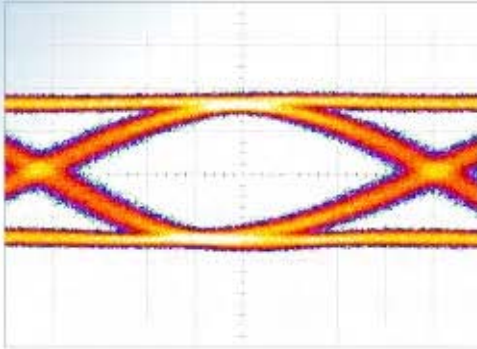


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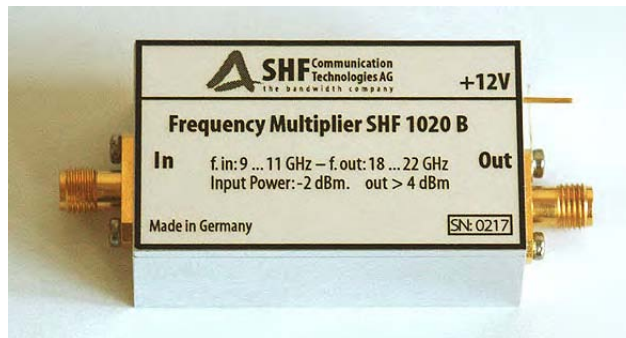
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Datasheet

SHF 1020 B

Frequency Doubler





Description

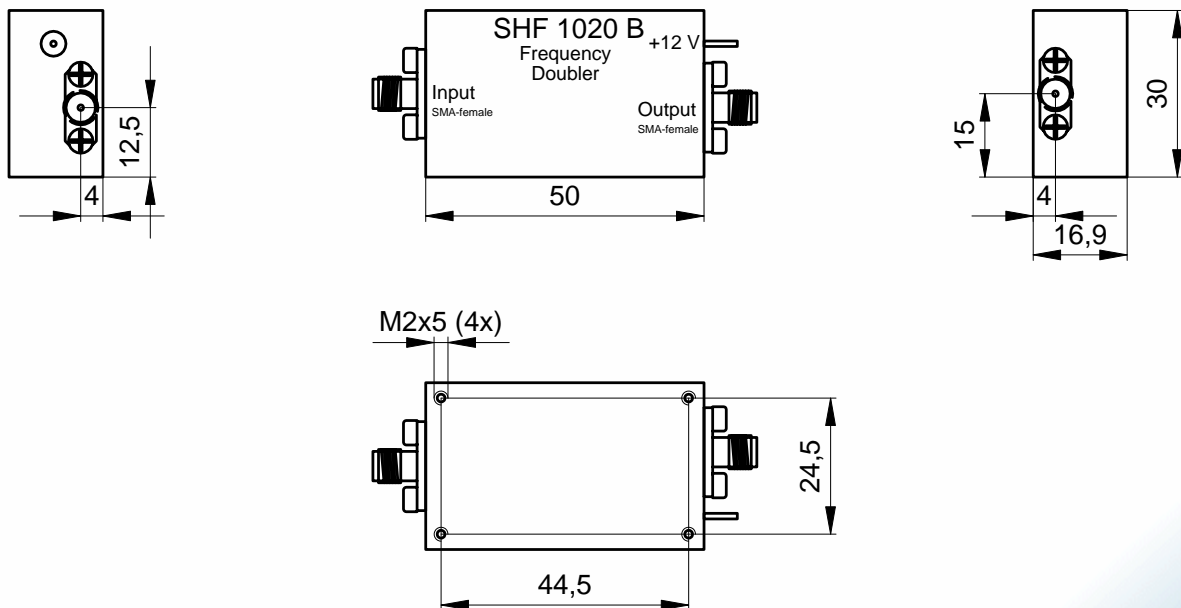
The SHF 1020 B is a frequency doubler which converts an input clock signal in the range 9...11 GHz into an 18...22 GHz signal. A built-in filter ensures strong suppression of the fundamental frequency.

SHF measurement instruments are able to operate in half clock mode, so a 20 GHz clock signal can be used to drive the instrument at 40 Gbps. In combination with the SHF 1020 B, a 10 GHz clock source can be used to produce 40 Gbps data signals from SHF instruments at a low cost.

Specifications

Parameter	Unit	Min.	Typ.	Max.	Conditions
Input frequency	GHz	9		11	
Output frequency	GHz	18		22	
Input power	dBm		-2		
Output power	dBm	4			
Suppression of fundamental	dB	30			
Power supply	V mA	8	12	15 60	
Power consumption	mW		500		
Input connector					SMA female
Output connector					SMA female
Dimensions	mm				30x15x17

Module Outline



All dimensions in mm