

# ROF-RF-40-T Type offset control

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## Performance parameters

parameters	symbol	unit	min	type	max	condition
High frequency 3dB point	$f_{HIGH}$	GHz	45			
Low frequency 3dB point	$f_{LOW}$	kHz			20	at 0.4 A
Insertion loss	$S_{21}$	dB			1.5	<40 GHz
Input return loss	$S_{11}$	dB			-17	>40 MHz <15 GHz
					-15	<20 GHz
					-10	<45 GHz
isolator		dB			-40	
Maximum input power	$P_{max}$	dBm			30	
Rise time / fall time	$t_r/t_f$	ps			5	20...80%
Base voltage *	$V_{bias}$	V			16	0.4 A *
Input connector						K (2.9 mm)
Output connector						K (2.9 mm)
dimensions		mm				40x13x12.6

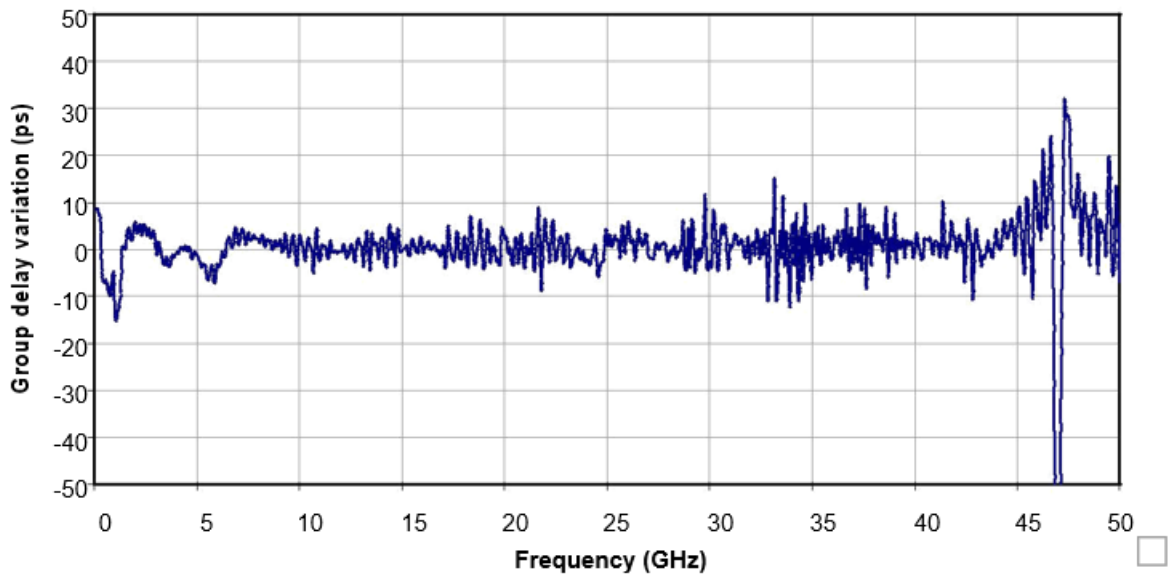
★ High current and high voltage biased tees are also available - this affects the flow value.

## Limit condition

parameters	unit	min	type	max
Input voltage amplitude	V			1
working temperature	°C	-10		60
Storage temperature	°C	-40		85
humidity	%	5		90

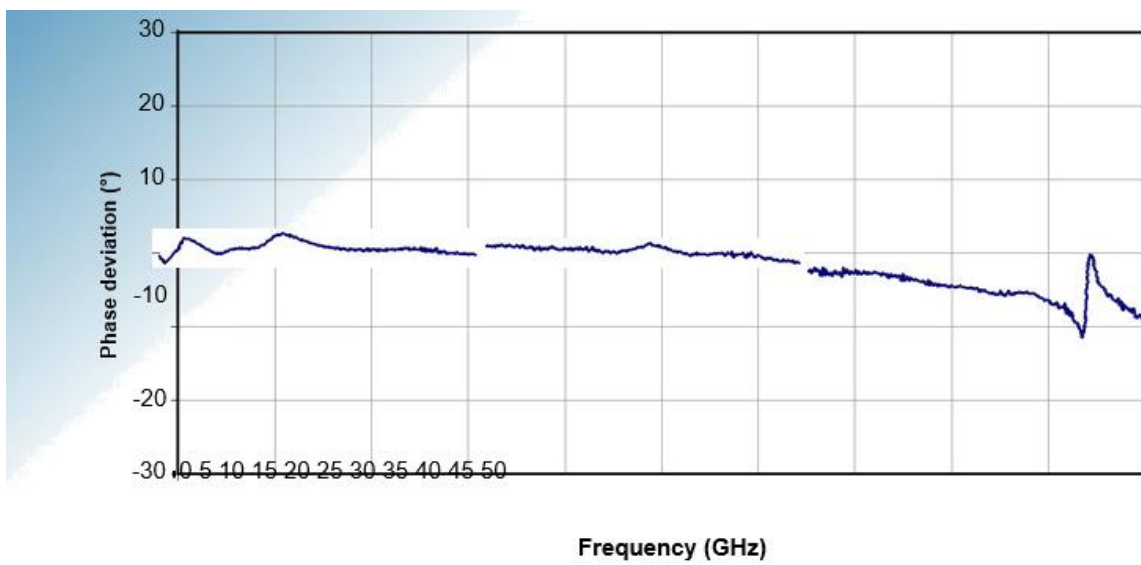
## characteristic curve

Group delay property :

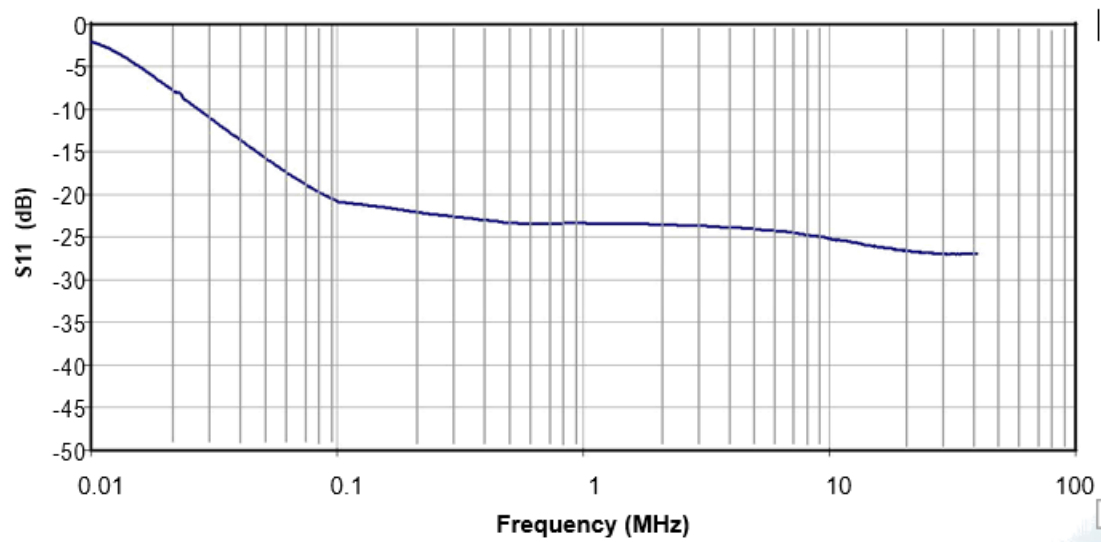
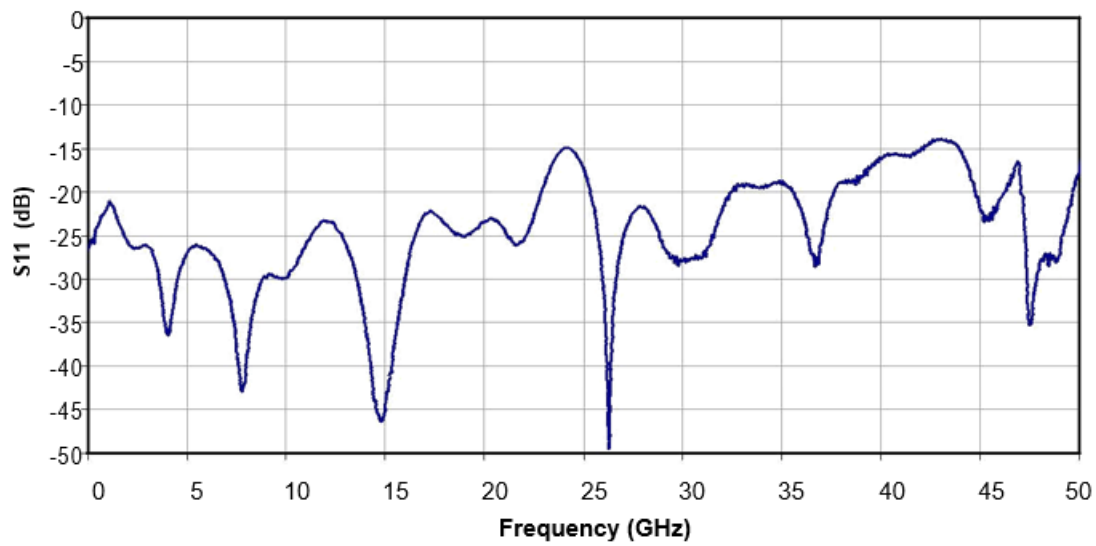


★ Group aperture time delay measurement: 81mhz

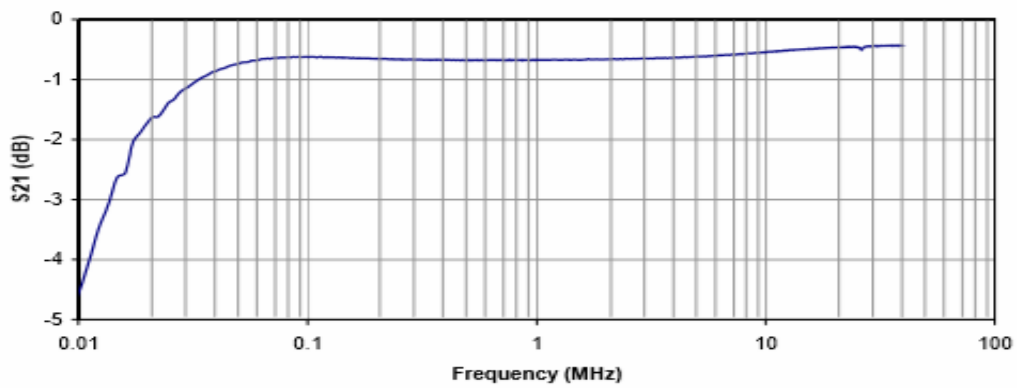
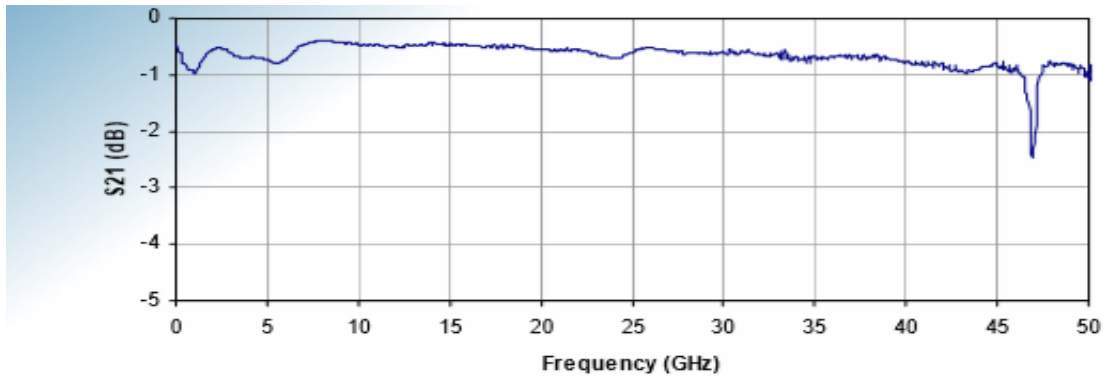
Phase correspondence:



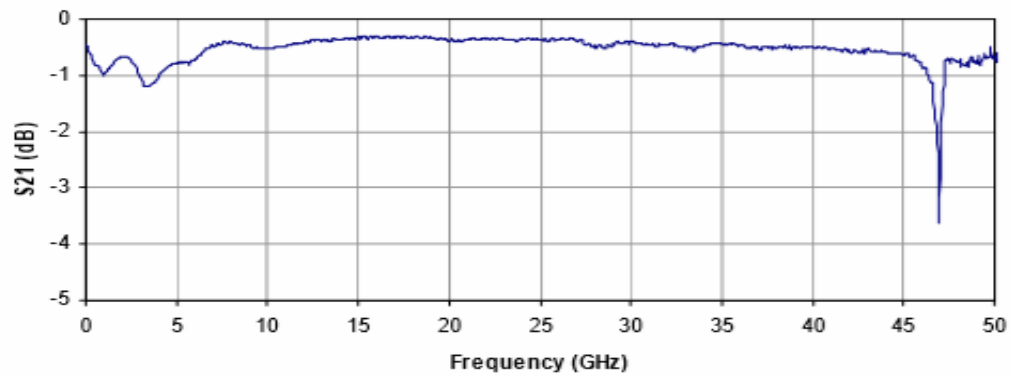
Input return loss:



### Insertion loss: (Standard Version)

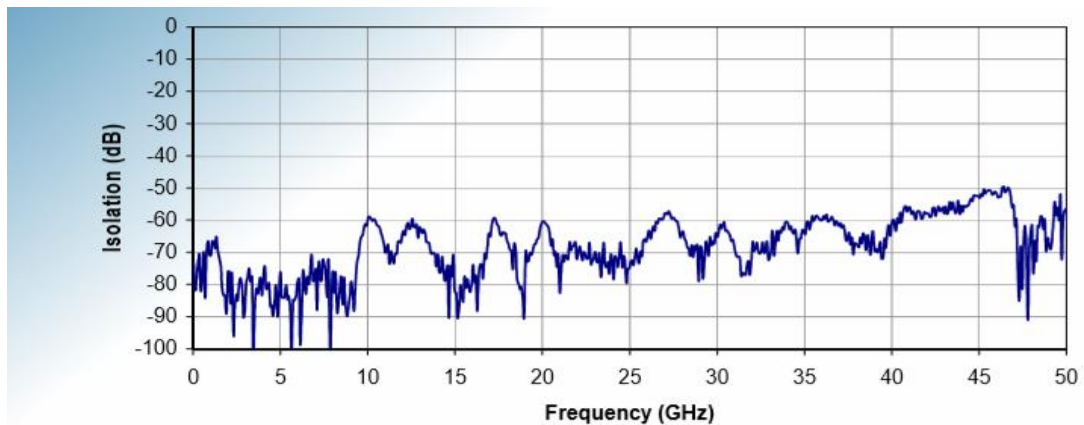


high current / high voltage options



★ The peak of 47ghz is due to the modification of K connector

isolator:



★ Measure between DC port and HF port.

### Ordering information

ROF	RF	XX	XX	X
	T type offset control	Working speed: 10---10Gbps 20---20Gbps 40---40Gbps	output characteristic: Empty – Standard HO--- High voltage output RZ---RZsignal amplification	Packaging form D---管芯

\*please contact our sales if you have special demand