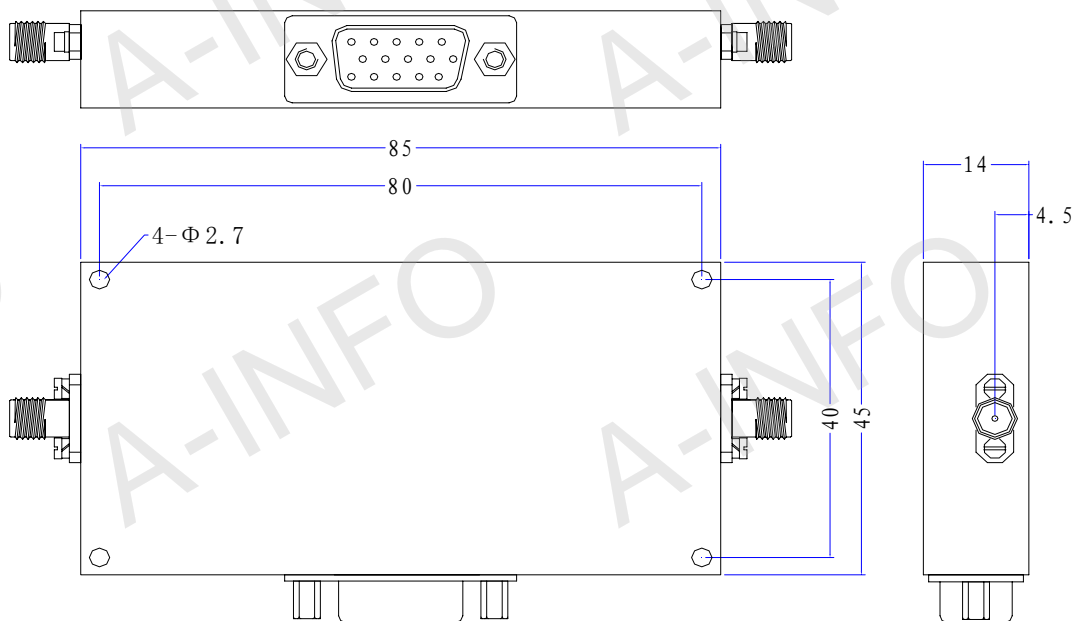


## Outline Drawing (Size: mm)



## PIN Definition:

PIN No.	1	2	3	4	5	6	7	8	9-12	13	14	15
PIN Definition	C1	C2	C3	C4	C5	C6	C7	C8	N/A	+5V	GND	-5V
0	0	0	0	0	0	0	0	0				
-1.4	1	0	0	0	0	0	0	0				
-2.8	0	1	0	0	0	0	0	0				
-5.6	0	0	1	0	0	0	0	0				
-11.25	0	0	0	1	0	0	0	0				
-22.5	0	0	0	0	1	0	0	0				
-45	0	0	0	0	0	1	0	0				
-90	0	0	0	0	0	0	1	0				
-180	0	0	0	0	0	0	0	1				
-358.6	1	1	1	1	1	1	1	1				

## TTL Control

TTL High Level = "1" , TTL Low Level = "0"

## Technical Specification

Item	Technical Specification
Frequency Range	1000~3000MHz
Insertion Loss	5.0dB max
VSWR	1.5 max
Input Power	0.2W max
Phase Shift	0°~360° over frequency
Phase Temperature Stability	±3° @ phase <90deg
	5%@ phase ≥90deg
Phase Accuracy at Center Frequency	±3.5°max
Control	TTL
Phase Control	8 bits 1.4°LSB
Operating Voltage	±5V
Switching Speed	100ns max
Connectors	SMA-Female
Operating Temp.	-55°C ~ +85°C
Storage Temp.	-55°C ~ +85°C

## Test Instruments

- ZVM

## Test Condition

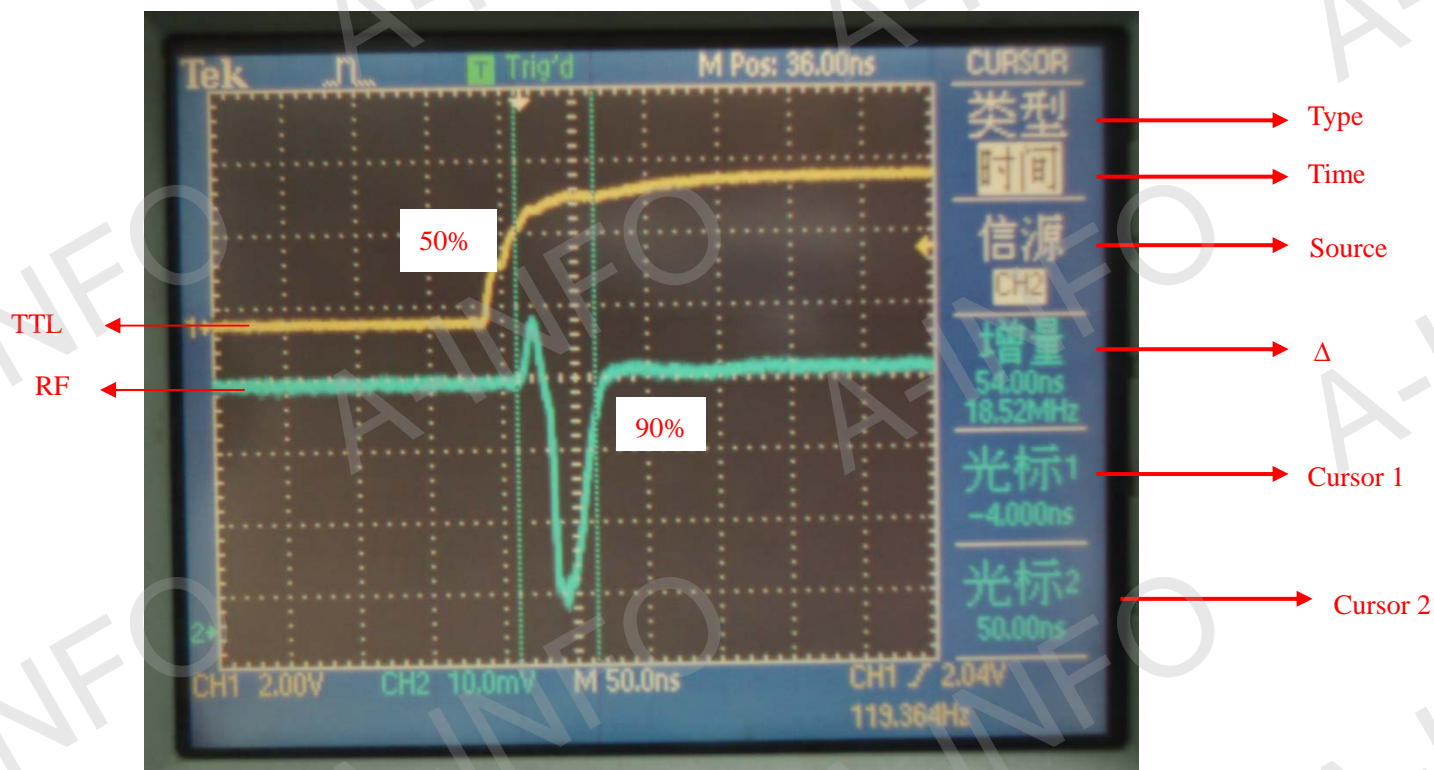
- DC Supply: ±5V
- IF Bandwidth: 100Hz
- Input Power: 0dBm

## Test Results

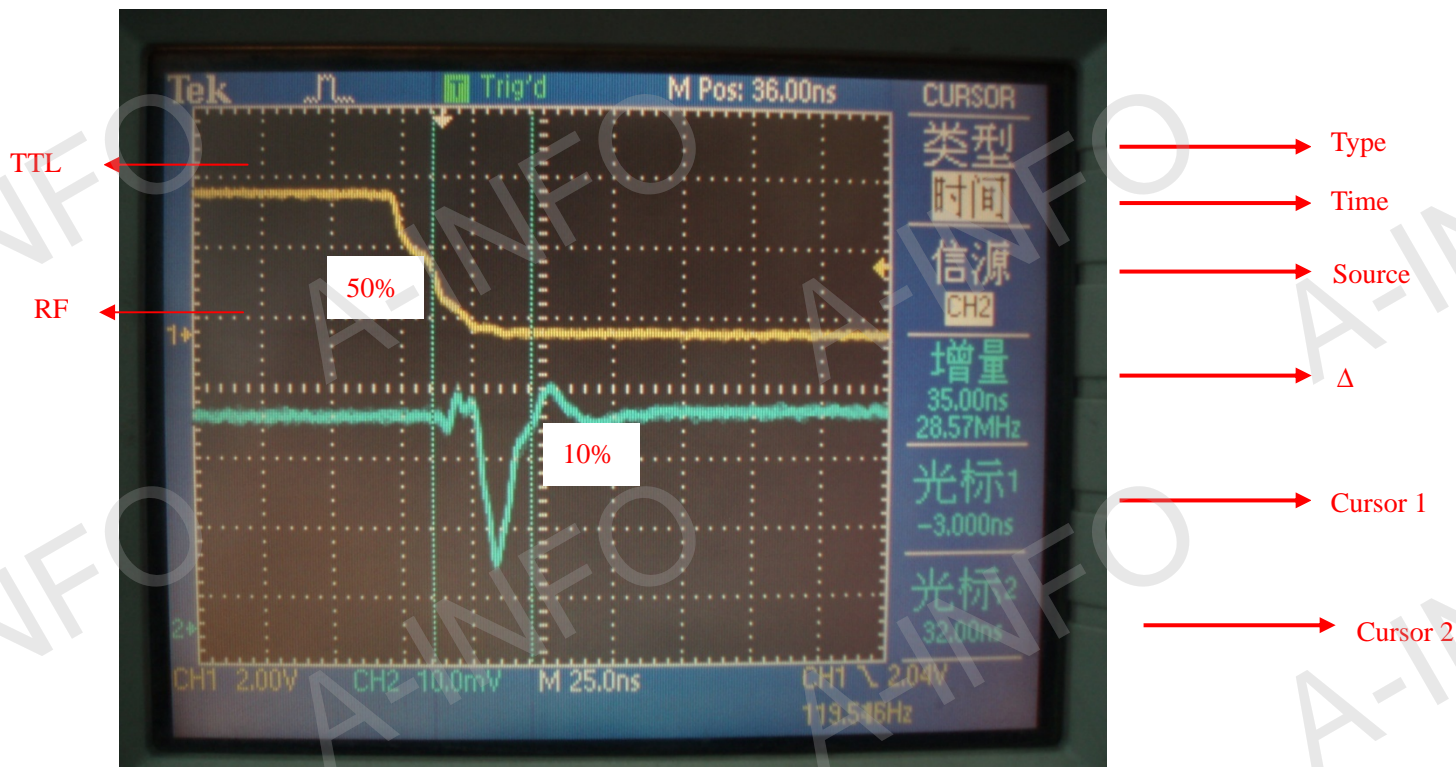
Insertion Loss(dB)	VSWR	Phase Shift (°)								
		-1.4	-2.8	-5.6	-11.25	-22.5	-45	-90	-180	-358.6
4.30	1.35	-1.4	-2.7	-5.7	-11.10	-22.5	-45.0	-90.2	-179.5	-358.6

Switching Time:

Test Curve  
-180deg  $T_{on}(54ns)$



-180deg  $T_{off}(35ns)$



-11.25 deg  $T_{on}$  (46ns)

