

Features

- 1 μ m GaAs IC process
- Fast switching speed
- Standard package
- Operating temperature range:-40°C ~ +85°C

Specifications(measured in a 50 Ω system TA=25°C)

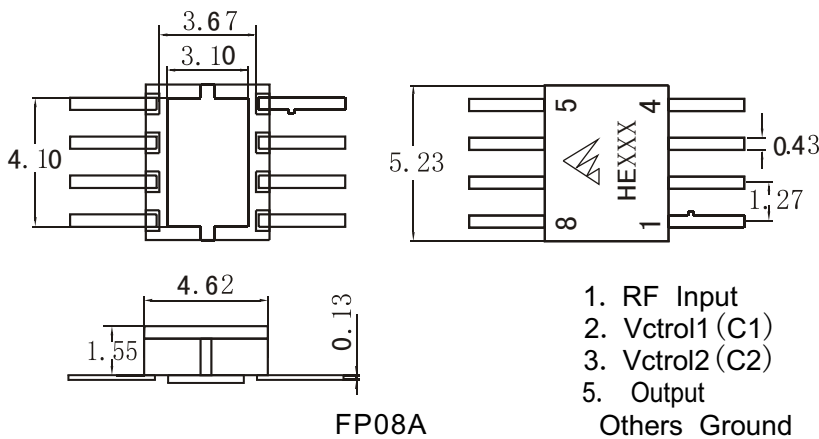
Parameter	Symbol	Unit	Typical	Guaranteed	
				Min	Max
Frequency range	$f_L \sim f_H$	MHz	DC~1000	DC	1000
RiseTime	t_r	nS	5.0	—	15.0
Fall time	t_f	nS	5.0	—	15.0
Isolation*	Iso	dB	75	70	—
Insertion loss*	IL	dB	1.2	—	1.8

*f=300MHz

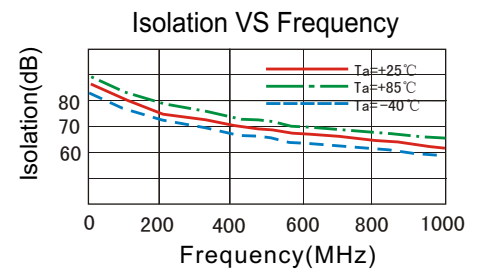
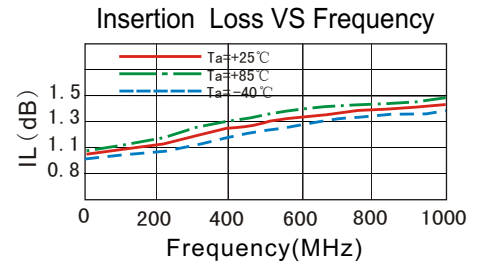
Absolute Maximum Ratings

Negative Voltage:-6V
Storage Temp:+125°C

Outline Drawing



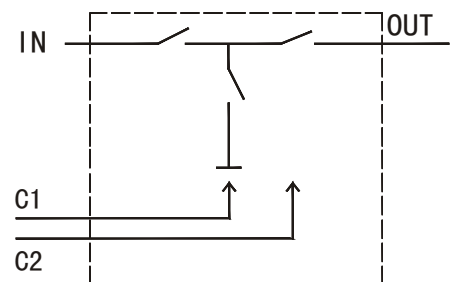
Typical Performance



Truth Table

Control Input	OUT
C1=-5V,C2=0V	OFF
C1=0V,C2=-5V	ON

Functional Schematic



Application Notes

1. ESD sensitive device observe handling precaution
2. Precaution should be taken to avoid the video transients during switching period
3. The device should be properly grounded to insure the isolation performance