

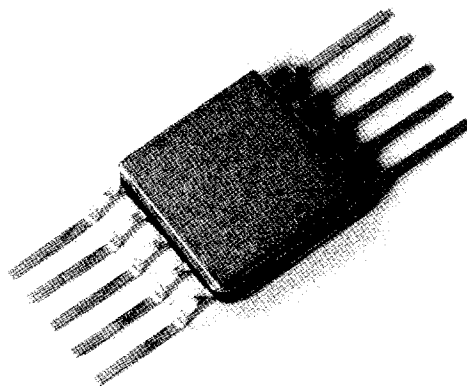
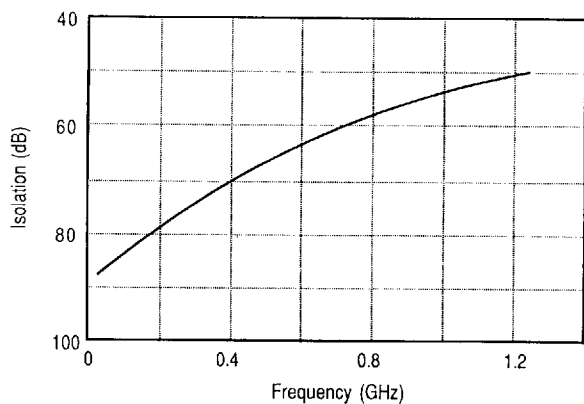
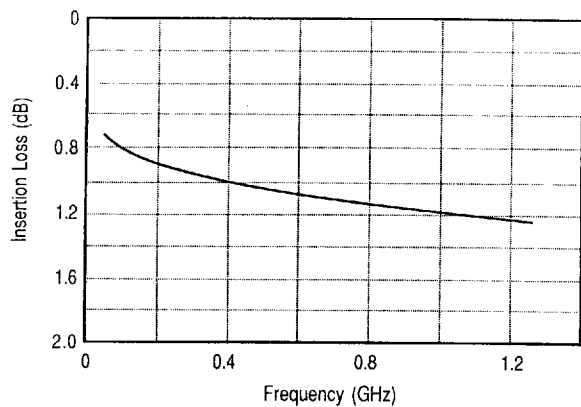
P35-4266

GaAs MMIC SWITCH

Features

- Broadband performance
- High Isolation
- Low DC power consumption
- TTL Control

**High Isolation DC to 1GHz
SPDT Terminated Switch
with All Off position and
TTL Control**



P35-4266
RF Specification (+20°C)

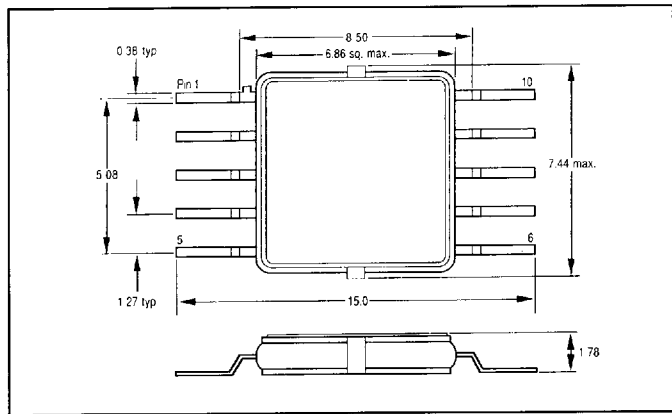
Parameter	Conditions	Min	Typ	Max	Unit
Insertion loss	DC to 500 MHz		1	1.1	dB
	DC to 1 GHz		1.2	1.4	
Isolation	DC to 500 MHz	60	68		dB
	DC to 1GHz	50	55		
Return Loss (Input/Output) See Note 1	DC to 500 MHz	20	22		dB
	DC to 1 GHz	18	20		
P1dB See Notes 2	0.5 to 1 GHz	24	26		dBm
	50 MHz	18	20		
Switching Speed	50% control to 10/90% RF		80		ns

Notes:

1. Low loss state
2. Input power at which insertion loss compresses by 1dB.

PIN ASSIGNMENTS	
PIN FUNCTION	PIN FUNCTION
1 RF IN 1	6 RF Common
2 Ground	7 Ground
3 -15V supply	8 +5V supply
4 TTL Control 2	9 Ground
5 TTL Control 1	10 RF in 2

TRUTH TABLE			
TTL1	TTL2	RF COMMON RF1	RF COMMON RF2
1	1	Isolated	Isolated
1	0	Isolated	Low loss
0	1	Low loss	Isolated



Ordering Information

P35-4266