

P35-4256

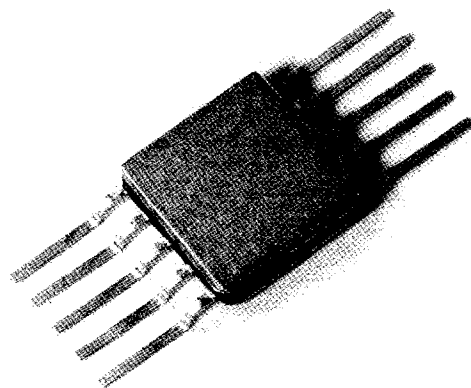
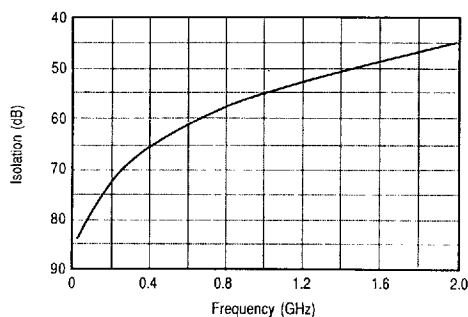
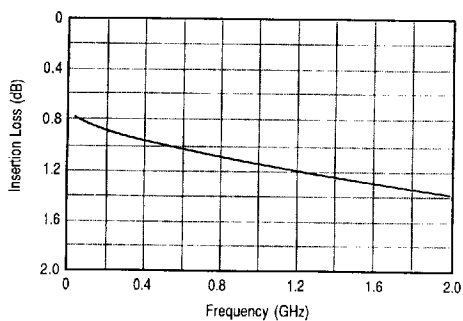
GaAs MMIC SWITCH

Features

- Broadband performance
- High Isolation
- Ultra low DC power consumption
- Fast switching speed, 30ns MAX
- 10 Lead Gullwinged Package

**High Isolation DC to 2GHz
SPDT Terminated switch
with TTL Control**

Typical Performance



P35-4256
RF Specification (+20 °C)

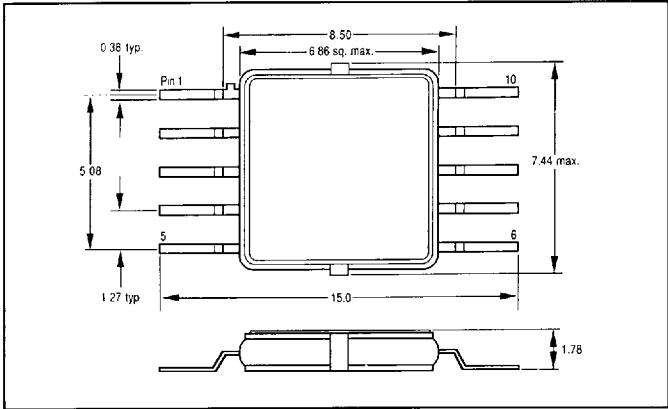
Parameter	Conditions	Min	Typ	Max	Unit
Insertion loss	DC to 500 MHz		1.0	1.1	dB
	DC to 1GHz		1.1	1.2	
	DC to 2GHz		1.4	1.5	
Isolation	DC to 500 MHz	60	65		dB
	DC to 1GHz	50	55		
	DC to 2GHz	40	45		
Return Loss (Input/Output)	DC to 500 MHz	19	21		dB
	DC to 1GHz	18	20		
	DC to 2GHz	14	16		
See Note 1					
P1dB See Notes 2 & 3					
Switching Speed	0.5 to 2GHz	24	26		dBm
	50 MHz	18	20		
	50% control to 10/90% RF			30	

Notes:

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

PIN ASSIGNMENTS	
PIN FUNCTION	PIN FUNCTION
1 Ground	6 -5V
2 RF2	7 RF1
3 Ground	8 Ground
4 +5V	9 Ground
5 TTL Control	10 RF Common

TRUTH TABLE		
TTL CONTROL	RF COMMON RF1	RF COMMON RF2
0	Low loss	Isolated
1	Isolated	Low loss



Ordering Information
P35-4256