

**ARGET SPECIFICATIONS****ABSOLUTE MAXIMUM RATINGS (Ambient Temperature Ta=25°C)**

Parameter	Symbol	Rating	Unit
DC Input Voltage	V1, V2	+6	V
Input Power	Pin	+36	dBm
Storage Temperature	Tstg	-40 to +85	°C
Operating Case Temperature	Top	-40 to +85	°C

ELECTRICAL SPECIFICATIONS (Case Temperature Tc=25°C)

Parameter	Symbol	Condition/comments	Min	Typ	Max	Unit
Frequency range	F		0.1		6.0	GHz
Insertion Loss	I.L.	2.3 – 3.9 GHz	-	0.55	0.75	dB
		5.1 – 5.9 GHz	-	0.75	0.95	
Isolation	ISO	2.3 – 3.9 GHz	-	25	-	dB
		5.1 – 5.9 GHz	-	22	-	
Return Loss	RL	2.3 – 3.9 GHz	-	20	-	dB
		5.1 – 5.9 GHz	-	20	-	
Control Voltage V1 V2	Vhigh	High	2.5	2.8	3.3	V
	Vlow	Low	-0.2	0	+0.2	
Input P0.1dB	P0.1dB	Vhigh=2.8V, Vlow=0V	-	34	-	dBm
Control Current	Icontrol	Vhigh=2.8V, Vlow=0V	-	15	-	uA

(Unless otherwise specified Zsource=Zload=50Ω System, Tc=25°C)

TRUTH TABLE

V1	V2	ANT – RF1	ANT – RF2
High	Low	ON	OFF
Low	High	OFF	ON



Eudyna

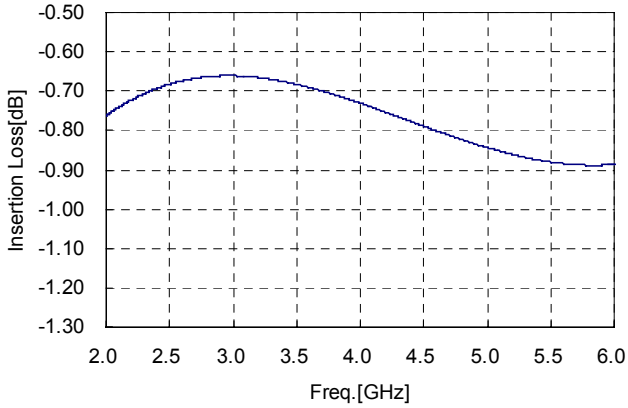
Eudyna Devices Inc.

Preliminary HS/M69SPDT312

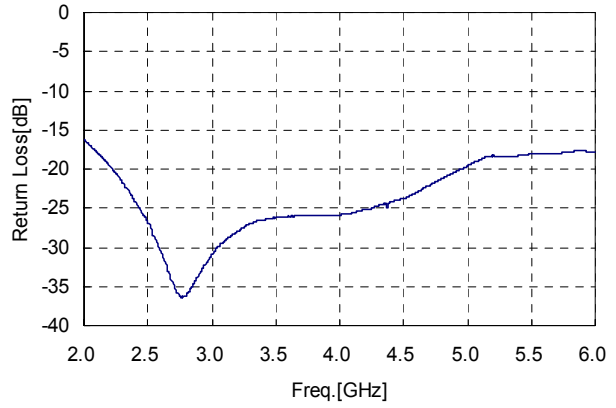
Single Pole Double Throw
GaAs PHEMT Switch 0.1 – 6 GHz

Typical Performance Curves

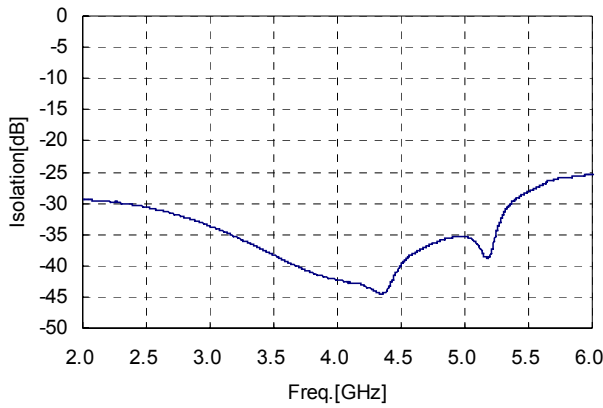
Insertion Loss vs Frequency



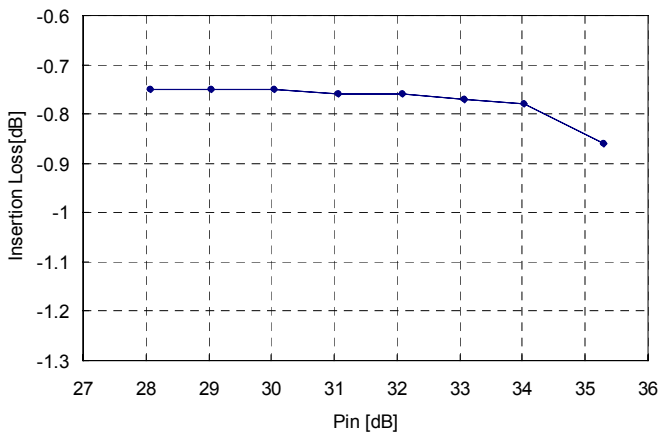
Return Loss vs Frequency



Isolation (RFC to RF1, RF2) vs Frequency



P0.1dB

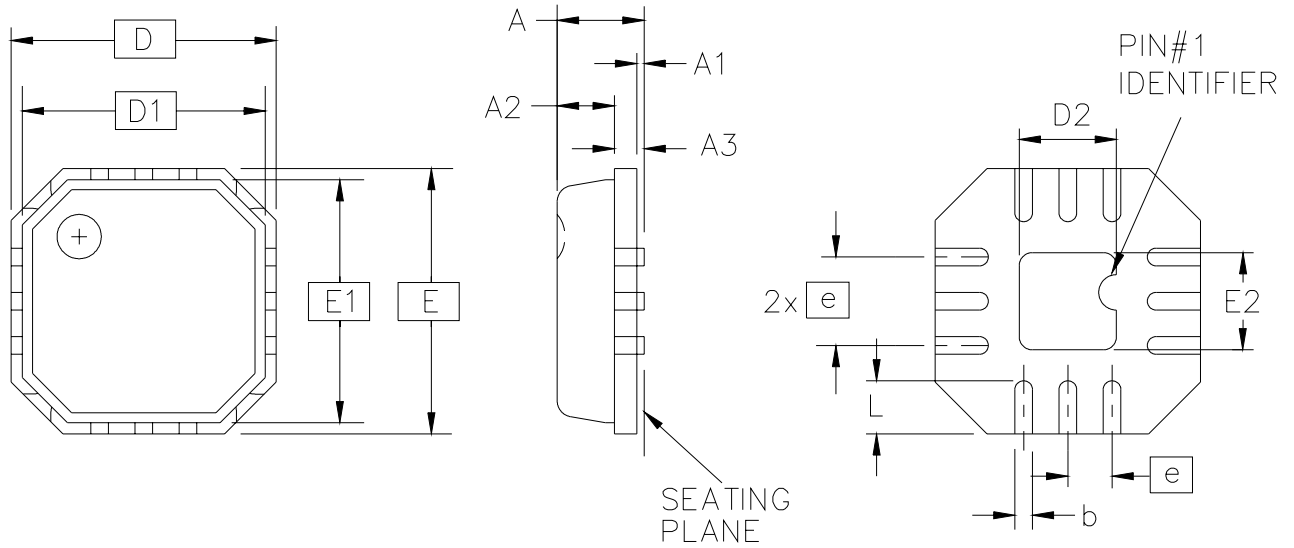


Freq.=1.9GHz, Vcont=2.8V

Specifications are subject to change without notice.

Rev 0.3
November 22, 2005

PACKAGE DIMENSIONS



Dimension Symbol	Measurement (mm)		
	Min	Nom	Max
A	-	0.85	0.90
A1	0.00	0.01	0.05
A2	-	0.65	0.70
A3	0.20 REF		
b	0.18	0.23	0.30
D	3.00 BSC		
D1	2.75 BSC		
D2	1.15	1.30	1.45
E	3.00 BSC		
E1	2.75 BSC		
E2	1.15	1.30	1.45
e	0.50 BSC		
L	0.50	0.60	0.75