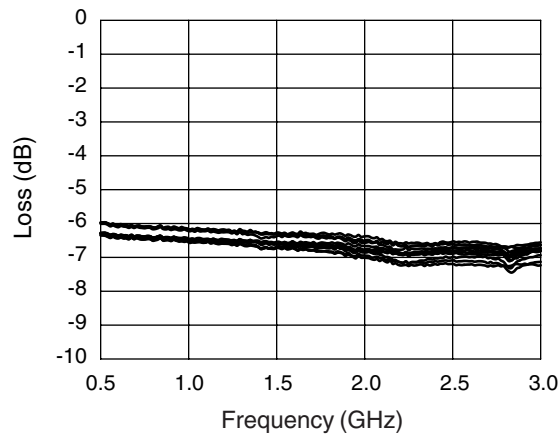
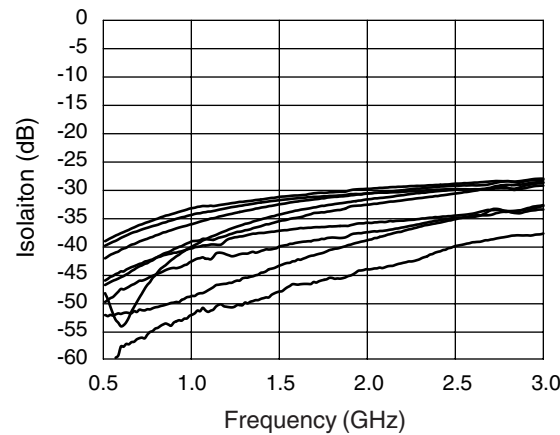


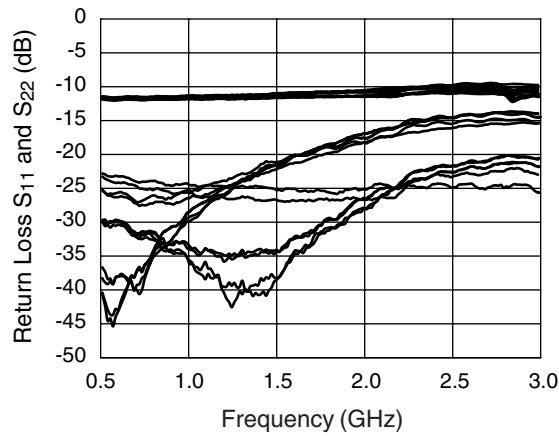
Typical Performance Data (0, +3 V)



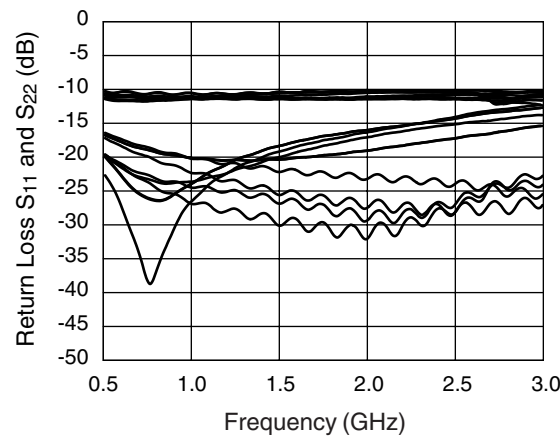
Typical Insertion Loss
(Various States Shown)



Typical Isolation
(Including Worst Case)



Return Loss Insertion Loss State



Return Loss Isolation State

Absolute Maximum Ratings

Characteristic	Value
RF Input Power	15 dBm
Supply Voltage	+6 V
Control voltage	+6 V
Operating Temperature	-40 to +85°C
Storage Temperature	-65 to +150°C

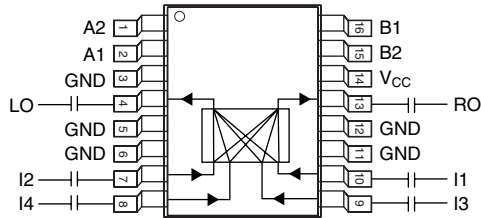
Note: Exceeding these parameters may cause irreversible damage.

Truth Table

		Controls			
		For LO (Left Output)		For RO (Right Output)	
State #	Signal Path (Insertion Loss Path) ¹	SW A1	SW A2	SW B1	SW B2
0	I1->LO & I1->RO	0	0	0	0
1	I1->LO & I2->RO	0	0	0	1
2	I1->LO & I3->RO	0	0	1	0
3	I1->LO & I4->RO	0	0	1	1
4	I2->LO & I1->RO	0	1	0	0
5	I2->LO & I2->RO	0	1	0	1
6	I2->LO & I3->RO	0	1	1	0
7	I2->LO & I4->RO	0	1	1	1
8	I3->LO & I1->RO	1	0	0	0
9	I3->LO & I2->RO	1	0	0	1
10	I3->LO & I3->RO	1	0	1	0
11	I3->LO & I4->RO	1	0	1	1
12	I4->LO & I1->RO	1	1	0	0
13	I4->LO & I2->RO	1	1	0	1
14	I4->LO & I3->RO	1	1	1	0
15	I4->LO & I4->RO	1	1	1	1

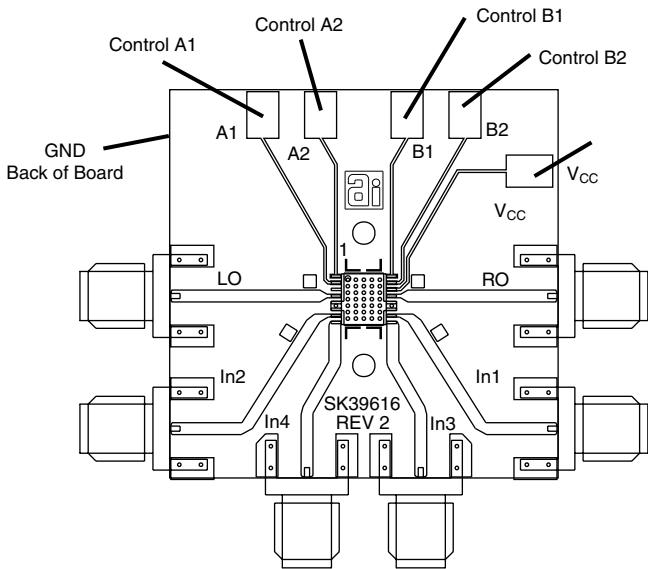
1. All other paths are in isolation.
"1" = 5 V.
"0" = 0 V.

Pin Out

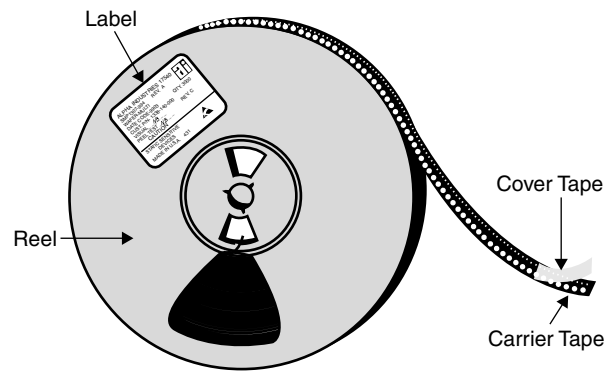


Unused leads and package bottom should be well grounded.
All paths are bidirectional.

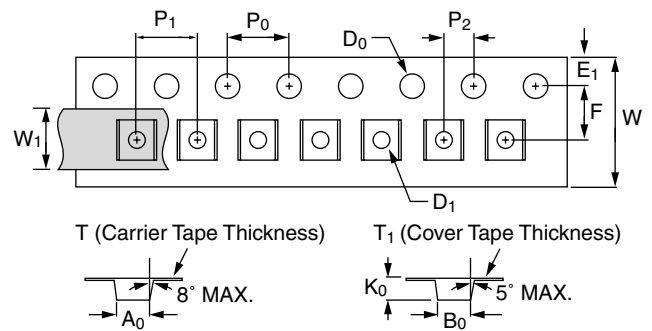
Test Board



Bias V_{CC} before applying bias to control lines.
Control lines need to be grounded for "0 V".
Control lines can not be left open circuit.



Tape Dimensions

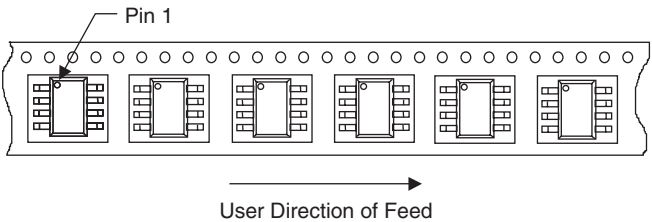


Description	Symbol	TSSOP-16
Cavity		
Length	A ₀	0.80±0.10
Width	B ₀	5.40±0.10
Depth	K ₀	1.60±0.10
Pitch	P ₁	8.00±0.10
Bottom Hole Diameter	D ₁	1.60±0.10
Perforation		
Diameter	D ₀	1.50±0.10
Pitch	P ₀	4.00±0.10
Position	E ₁	1.75±0.10
Carrier Tape		
Width	W	12.0±0.30
Thickness	T	0.30±0.05
Cover Tape		
Width	W ₁	9.20±0.10
Tape Thickness	T ₁	0.062±0.01
Distance		
Cavity to Perforation (Width Direction)	F	7.50±0.10
Cavity to Perforation (Length Direction)	P ₂	2.00±0.1

Note: All dimensions are in mm.

SOIC, MSOP, QSOP, SSOP and TSSOP Devices

8, 10, 14, 16, 20, 28 Leads



Standard Reel Size	7"	13"
Standard Reel Quantity	1,000	3,000