MODEL HISPDTAT167
0.1-67GHz Broadband Switch

Note: The photo is for illustration purposes only.
Please refer to outline drawing

Features

- Ultra Wide Band: 0.1-67GHz
- Low Insertion Loss: 5dB
- Power Handling : 0.25W
- Switch Type: Absorption

Applications

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range		0.1-67		GHz
Insertion Loss (0.1-30GHz)		5		dB
Insertion Loss (30-50GHz)		8		dB
Insertion Loss (50-67GHz)		10		dB
Isolation (0.1-40GHz)		70		dB
Isolation (40-67GHz)		50		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Switch Speed		50	100	ns
Power Handling (operational)			0.25	W
DC Current (Vcc=+/-5V)		50/40		mA
Control Logic TTL		0/+5		v
Impedance		50		Ω
Input Output Connector		1.85		
Material		Aluminium/Gold Painting		
Weight		50g		
Package Sealing		Epoxy Sealing (Standard)		

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☐ Environmental Conditions

Operational Temperature	-45℃~+85℃	**Vibration**	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55℃~+125℃	**Shock**	20G for 11msc half sin wave,3 axis both directions
Executive Standard	MIL-STD-810G	**Humidity**	100% RH at 35c, 95%RH at 40℃

☐ Absolute Maximum Ratings

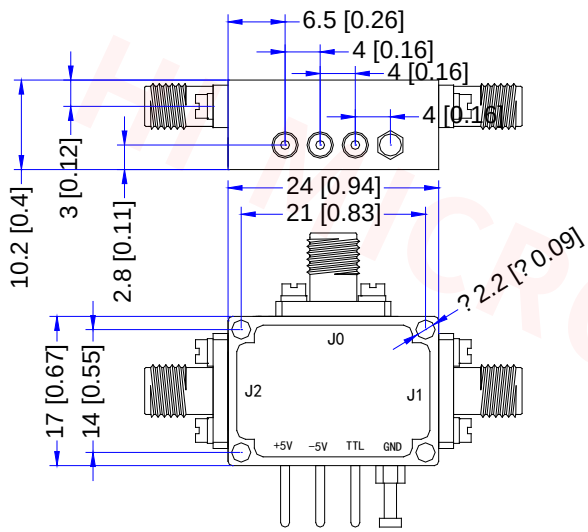
Supply Bias Voltage	+/-10%
RF INPUT POWER	0.25W
ESD sensitivity (HBm)	Class 0, passed 150V

OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

RoHS Compliant

☐ Outline Drawing

All Dimensions in mm (inches) Tolerance ±0.25 (0.01)



TTL Control Voltages &VDD	
Stage	Bias Condition
VDD	+5V (±10%)
VEE	**-5V (±10%)**
Low	0 to 0.8Vdc
High	2.0 to +5.0Vdc

Truth Table	
Control TTL Input	
C1	Signal Path State
0	J0-J1
1	**J0-J2**