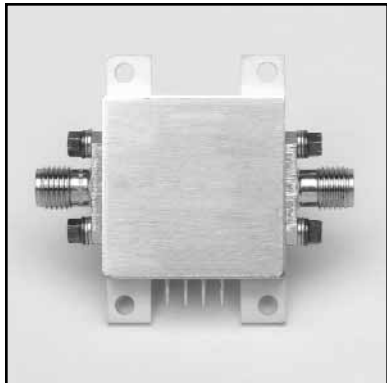




MODEL NUMBER CDS0621

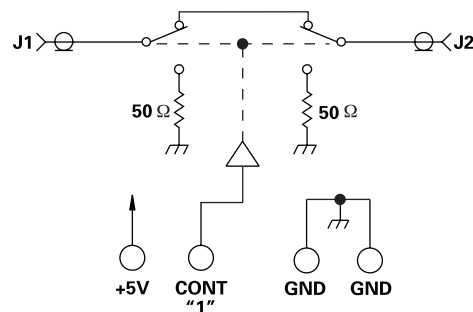
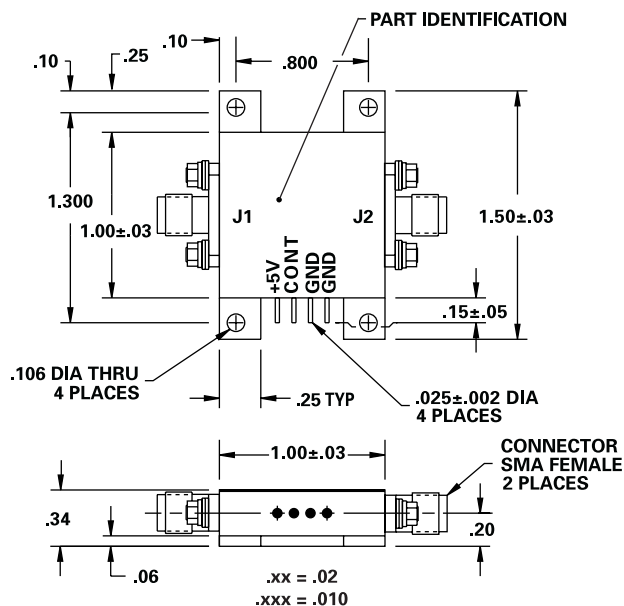
Pin Diode SPST

FEATURES

- 20-2000 MHz
- 6 mA, +5 VDC
- 70 dB Isolation

- TTL Driver
- Non-Reflective
- Replaceable SMA Connectors

SPST



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	20		2000	MHz	
DC Current		6.0	12	mA	At +5 VDC Supply
Control Type		TTL			1 Line Logic "0" = Isolation Logic "1" = Thru
Control Current	High Low	0 0	±10 ±10	µA	V _{IH} = +2.7V V _{IL} = +0.5V
Insertion Loss		0.95 1.30	1.5 2.0	dB	20 - 1000 MHz 1000 - 2000 MHz
Isolation	60 50	70 60		dB	20 - 1000 MHz 1000 - 2000 MHz
VSWR		1.15/1 1.15/1	1.30/1 1.50/1		
Impedance		50		OHMS	
Switching Speed		1.4	3.0	µSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		0.3		µSEC	90% / 10% or 10% / 90% RF
Switching Transients		400		mV	Peak Value
Intercept Points	2nd 3rd	+70 +38		dBm	50 MHz / 70 MHz 50 MHz / 35 MHz
RF Power	Operate No Damage	+15 +20	+10 +17 +27	dBm	20 - 100 MHz 100 - 2000 MHz
Operating Temperature	-55	+25	+125	°C	TA

