

## FEATURES

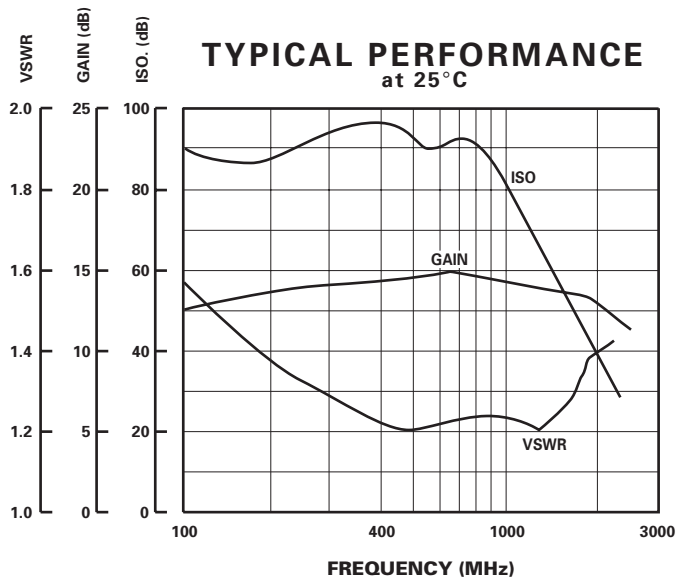
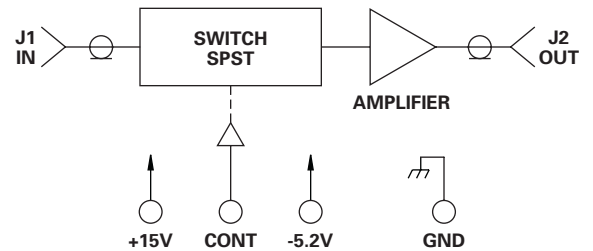
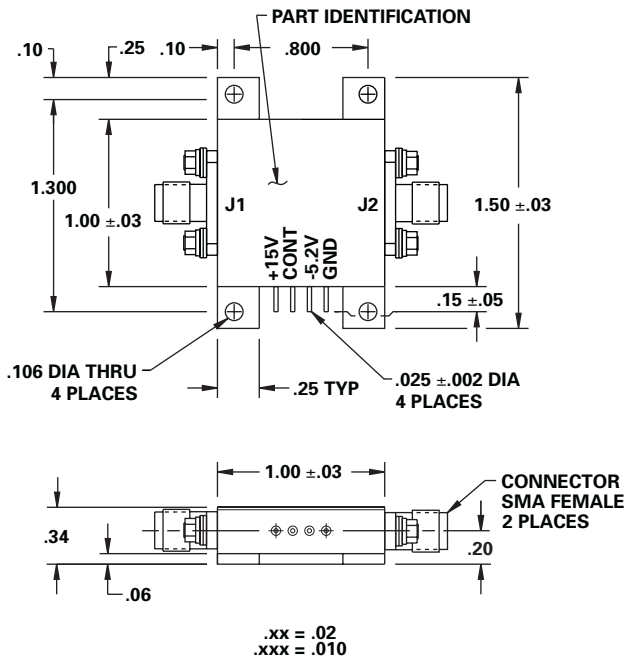
- 200 - 2000 MHz
- 14 dB Gain
- 21 nSec Switching Speed
- High Isolation
- Non-Reflective
- TTL Driver
- Replaceable SMA Connectors



**MODEL NO.  
CDX0947**

**Connectorized SPST w/Amp**

MFD



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	200		2000	MHz	
DC Current		126	200	mA	At +15 VDC Supply
		1.5	5	mA	At -5.2 VDC Supply
Control Type		TTL			1 Line Logic "0" = Isolation Logic "1" = Thru
Control Current		0	±40	µA	V <sub>IH</sub> = +2.7 V
		0	±40	µA	V <sub>IL</sub> = +0.5 V
Insertion Gain	12	14		dB	200 - 1000 MHz
	11	13		dB	1000 - 1500 MHz
		Noise Figure	6	dB	
Isolation	70	80		dB	200 - 1000 MHz
	50	57		dB	1000 - 1500 MHz
	35	42		dB	1500 - 2000 MHz
VSWR		1.5/1	1.8/1		
		1.2/1	1.3/1		
Impedance		50		OHMS	
Switching Speed		21	30	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		8		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		120		mV	Peak Value
RF Power		+5	0	dBm	1.0 dB Input Compression
		No Damage	+15	dBm	
Operating Temperature	-55	+25	+85	°C	TA