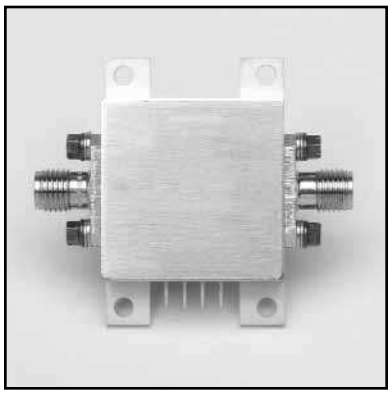
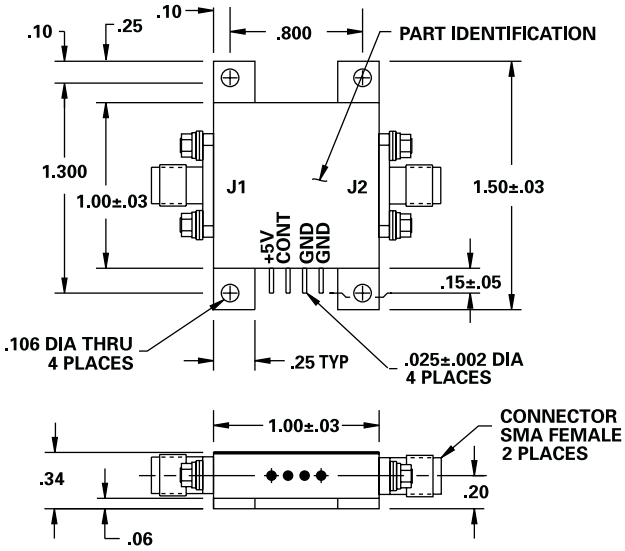


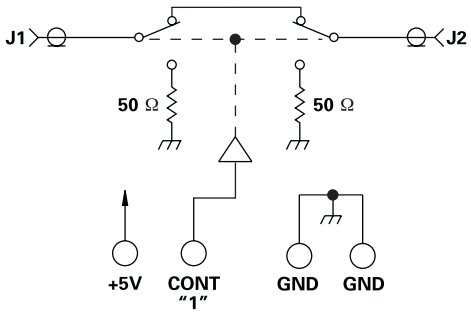
MODEL NUMBER
CDS0651

GaAs SPST

FEATURES

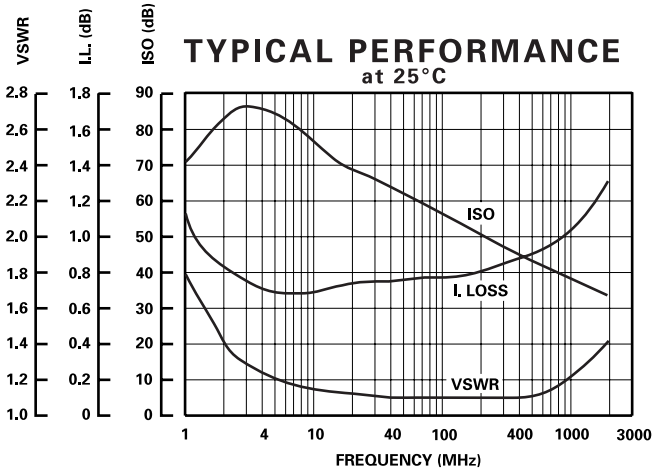
- 20 -1500 MHz
- 11 nSec Transition Time
- 23 nSec Switching Speed
- 3.5 mA, +5 VDC
- Replaceable SMA Connectors
- TTL Driver
- Non-Reflective
- See DS0699 & DS0690 For TO-8 & 14 Pin DIP Versions





TYPICAL PERFORMANCE

at 25°C



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		10		1500	MHz	
DC Current			3.5	7	mA	At +5 VDC Supply
Control Type			TTL			1 Line
						Logic "1" = Thru
Control Current	*High*		0	±20	µA	VIH = +3.0V
	Low		0	±20	µA	VIL = +0.5V
Insertion Loss			0.9	1.2	dB	10 - 500 MHz
			1.1	1.5	dB	500 - 1500 MHz
Isolation		40	44		dB	10 - 500 MHz
		30	34		dB	500 - 1500 MHz
VSWR	*Thru*		1.1/1	1.3/1		10 - 500 MHz
			1.25/1	1.5/1		500 - 1500 MHz
	Termination		1.4/1	1.7/1		10 - 1500 MHz
Impedance			50		OHMS	
Switching Speed			23	35	nSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			11		nSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients			21	35	mV	Peak Value
Intercept Points	*2nd*		+54		dBm	70 MHz / 50 MHz
	3rd		+37		dBm	35 MHz / 50 MHz
RF Power	*Operate*		+12	+10	dBm	
	No Damage			+27	dBm	
Operating Temperature		-55	+25	+125	°C	TA