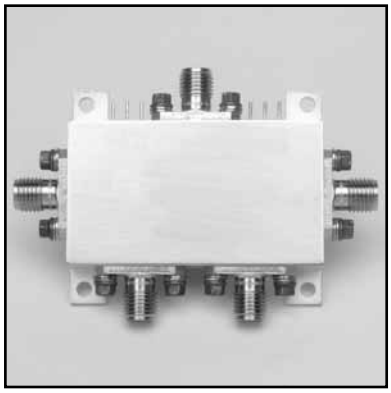
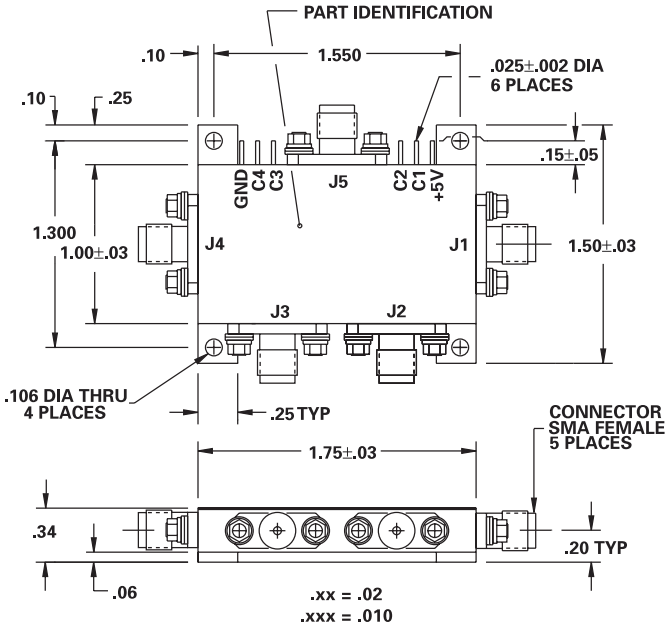


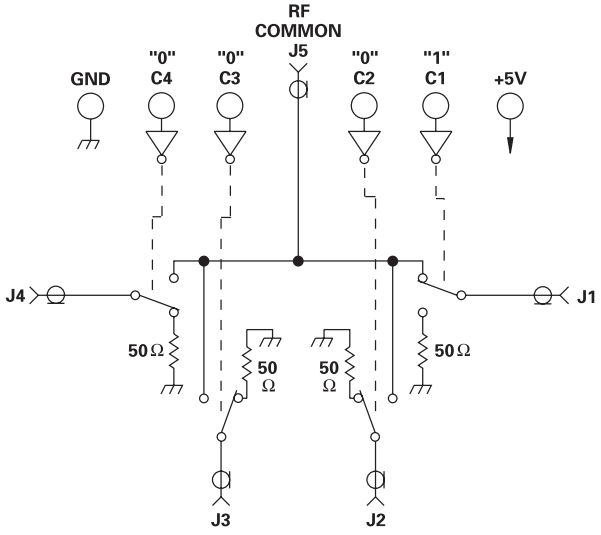
MODEL NUMBER
CDS0624

PIN Diode SP4T

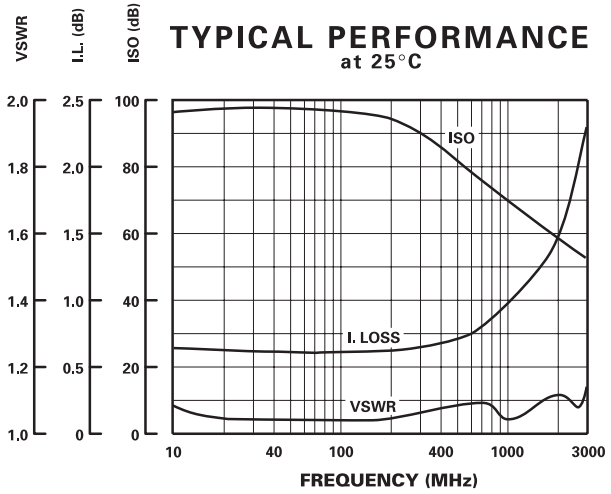
FEATURES

- 20 - 2000 MHz
- 60 dB Isolation
- TTL Driver
- Non-Reflective
- Replaceable SMA Connectors





TYPICAL PERFORMANCE
at 25°C



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		20		2000	MHz	
DC Current			17.5	24	mA	At +5 VDC Supply
Control Type			TTL			4 Line Logic "0" = Off Logic "1" = On
Control Current	*High*		0	±10	µA	VIH = +2.7V
	Low		0	±10	µA	VIL = +0.4V
Insertion Loss			0.9	1.5	dB	20 - 1000 MHz
			1.4	2.0	dB	1000 - 2000 MHz
Isolation		60	72		dB	20 - 1000 MHz
		50	59		dB	1000 - 2000 MHz
VSWR	*Thru*		1.13/1	1.3/1		
	Termination		1.06/1	1.3/1		
Impedance			50		OHMS	
Switching Speed			1.52	3	µSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			0.32		µSEC	90% / 10% or 10% / 90% RF
Switching (Video) Transients			0.33		V	Peak Value
Intercept Points	*2nd*		+79		dBm	50 MHz / 70 MHz
	3rd		+39		dBm	50 MHz / 35 MHz
RF Power	*Operate*		+12	+9	dBm	20 - 100 MHz
			+21	+15	dBm	100 - 2000 MHz
	No Damage			+27	dBm	
Operating Temperature		-55	+25	+125	°C	TA