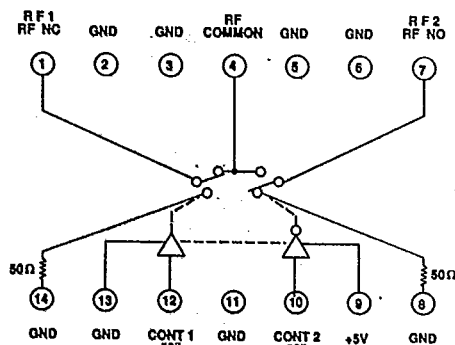
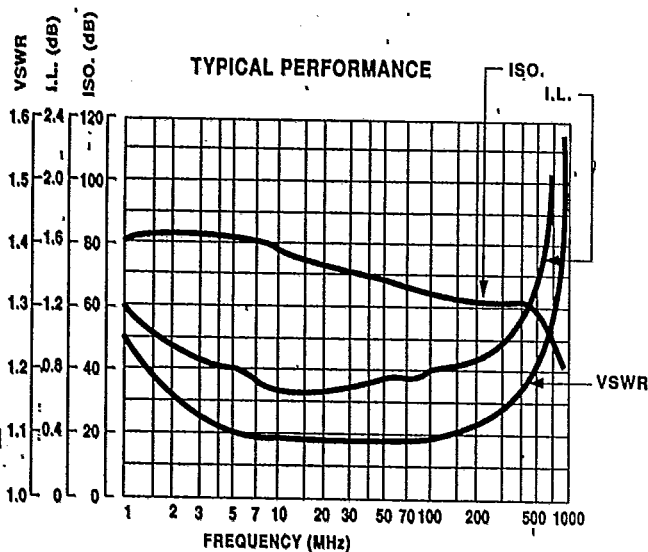
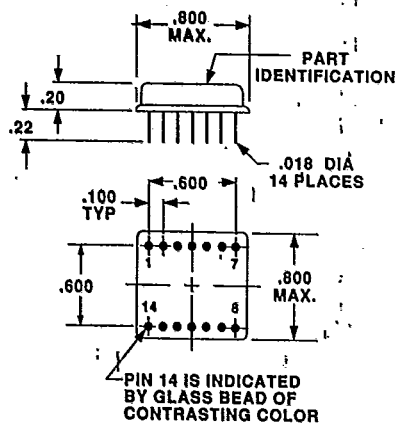


T.51-11

DS0252 SP2T

- Fast switching speed
- Low Transient
- Unused ports terminated in 50 ohms
- See 100C1052 for connectorized version

TIES PINS 10 & 12 TOGETHER FOR SINGLE LINE CONTROL



PIN 12	PIN 10	RF PATH
0	0	COM to Pin 1
1	1	COM to Pin 7
1	0	All off
0	1	Not allowed

OPERATING CHARACTERISTICS

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
Current Drain		180	250	MA	At +5V DC Supply
Intercept Point, 2nd		+75		dBm	
3rd		+33		dBm	
Switching Transients		10	50	MV	Peak Value
Transition Time		5		Nsec	90%/10% or 10%/90% RF
Switching Time		40		Nsec	50% TTL to 90%/10% RF
Control Current, Hi		50		μA	V _{IH} = 2.7V
Lo		-400		μA	V _{IL} = 0.5V
Insertion Loss			1.2	dB	2 - 70 MHz
			1.5	dB	70 - 500 MHz
Isolation	55			dB	2 - 70 MHz
	45			dB	70 - 500 MHz
VSWR			1.4/1		2 - 3 MHz
			1.25/1		3 - 400 MHz
			1.4/1		400 - 500 MHz
Term, VSWR			1.5/1		
Impedance		50		Ohms	
RF Power, Operate			+10	dBm	.1 dB Compression
Maximum			+30	dBm	No Damage
Operating Frequency			500	MHz	
Operating Temperature	-55	+25	+85	°C	TA

Control :2 Line TTL See Table

MODEL NO. DS0252


SP2T
 2-500 MHz