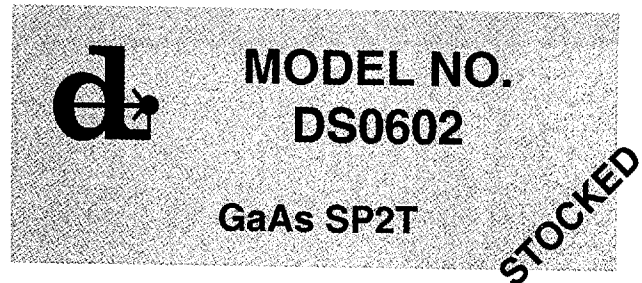
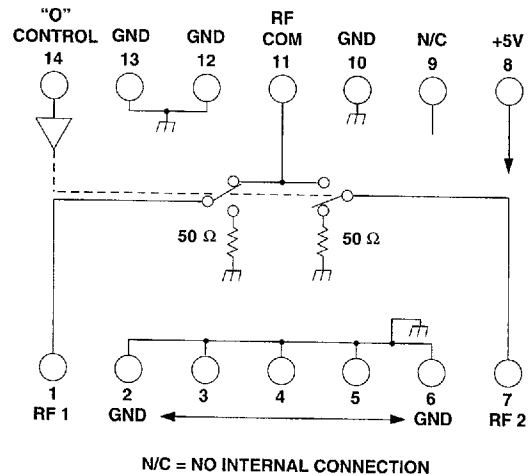
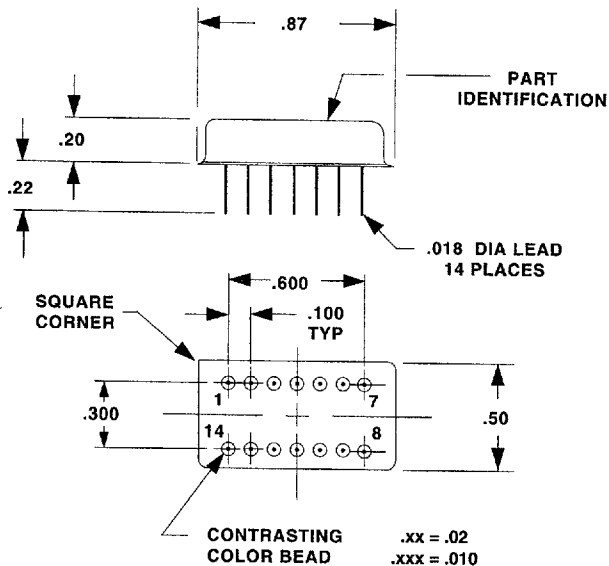


FEATURES

- 5 - 4000 MHz
- 16 nSec Switching Speed
- 0.2 mA, +5 VDC
- TTL Driver
- Non-Reflective
- See DS0632 For Surface Mount Version

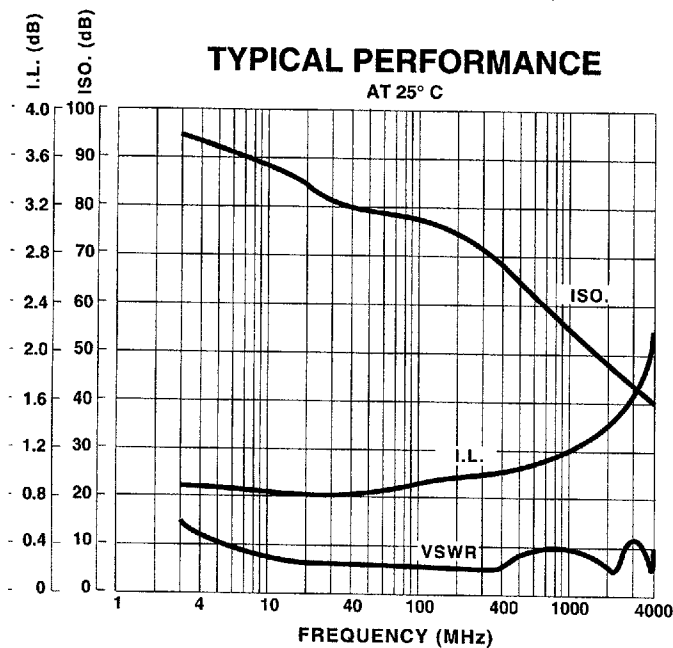


SP2T



TYPICAL PERFORMANCE

AT 25° C



GUARANTEED PERFORMANCE

PARAMETER	MIN		TYP		MAX		UNITS	CONDITIONS
OPERATING FREQUENCY	5				4000		MHz	
DC CURRENT			0.23		1		mA	AT +5 VDC SUPPLY
CONTROL TYPE								1 LINE TTL OR +5V CMOS LOGIC "0" = RF COM TO RF1 LOGIC "1" = RF COM TO RF2
CONTROL CURRENT:	HIGH LOW	1 1	±10 ±10		μA μA			V _{IH} = +2.7V V _{IL} = +0.5V
INSERTION LOSS			0.9 1.1 1.5 2.5	1.2 1.5 2.0 3.0	dB dB dB dB			5 - 50 MHz 50 - 500 MHz 500 - 2000 MHz 2000 - 4000 MHz
ISOLATION	70 60 50 40 30	82 68 58 50 39			dB dB dB dB dB			5 - 200 MHz 200 - 500 MHz 500 - 1000 MHz 1000 - 2000 MHz 2000 - 4000 MHz
VSWR:	THRU TERMINATION		1.2/1 1.2/1 1.5/1 1.8/1	1.3/1 2.0/1 2.0/1 2.2/1				5 - 2000 MHz 2000 - 4000 MHz 5 - 2000 MHz 2000 - 4000 MHz
IMPEDANCE			50				OHMS	
SWITCHING SPEED			16		25		n SEC	50% TTL TO 90% / 10% RF
TRANSITION (RISE/FALL) TIME			4		15		n SEC	90% / 10% OR 10% / 90% RF
SWITCHING (VIDEO) TRANSIENTS			30		200		mV	
INTERCEPT POINTS,	2ND 3RD	+50 +30	+66 +40				dBm dBm	214 MHz / 127 MHz 107 MHz / 127 MHz
RF POWER:	OPERATE NO DAMAGE		+9 +12 +19	+7 +10 +17 +27	dBm dBm dBm dBm			0.1 dB COMP BELOW 50 MHz 0.1 dB COMP 50 - 300 MHz 0.1 dB COMP ABOVE 300 MHz
OPERATING TEMPERATURE	-55		+25		+85		°C	TA