

FEATURES

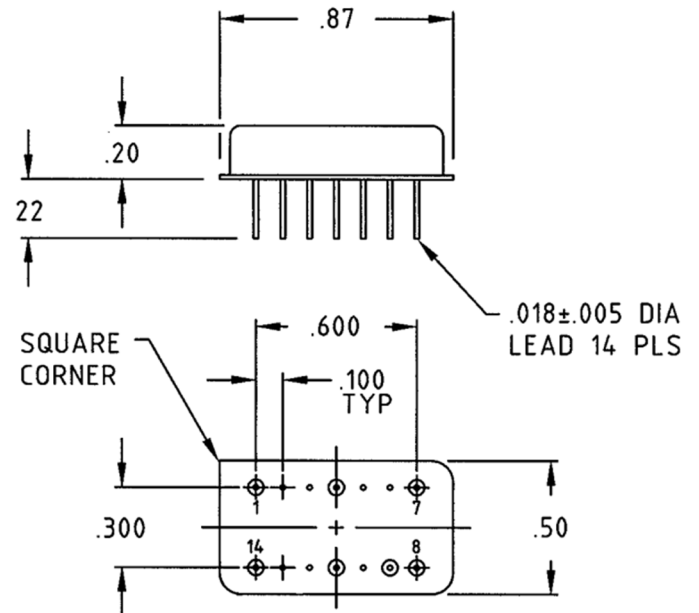
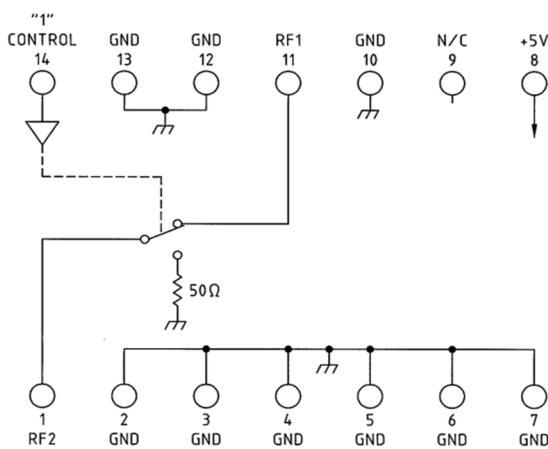
- Frequency Range: 4 – 4000MHz
- Fast Switching Speed: 15nSec
- High Isolation: 39dB
- VDC Supply: +5V
- CMOS Driver
- Non-Reflective
- 14 Pin DIP



APPLICATIONS: Military Aircraft, General Purpose Broadband SPST

OUTLINE DRAWING

FUNCTIONAL DIAGRAM



PRODUCT SPECIFICATION

Parameter	Min	Typ.	Max	Units	Conditions/Limits
Frequency	5		4000	MHz	
DC Current		0.004	5	mA	@ +5 VDC Supply
Control Type		CMOS			1 Line, Logic "1"=ON
Control Current		1	±10	µA	VIH = +5V
		1	±10	µA	VIL = 0V
Insertion Loss		2.6	2.9	dB	@ 4000MHz
Isolation		27	39	dB	@ 4000MHz
VSWR	Thru		1.25:1	2.0:1	dB
	Terminated		1.30:1	2.0:1	dB
Impedance		50		Ohm	
Switching Speed		15	30	nsec	50%TTL – 90%/10% RF
Transition (Rise/Fall) Time		6	10	nsec	10%/90%RF – 90%/10%RF
Switching Transient		50		mV	Peak Value
Intercept Points	2 nd	+52	+60	dBm	50MHz
	2 nd	+60	+69	dBm	500MHz – 400MHz
	3 rd		+29	dBm	20MHz
RF Power	Operate	+17	+18	dBm	1dB C.P., 50MHz
	Damage		+23	+28	dBm
			+27	dBm	<500MHz
			+33	dBm	500MHz – 4000MHz
Operating Temp.	-55	+25	+85	°C	Ta

TYPICAL PERFORMANCE AT 25°C

