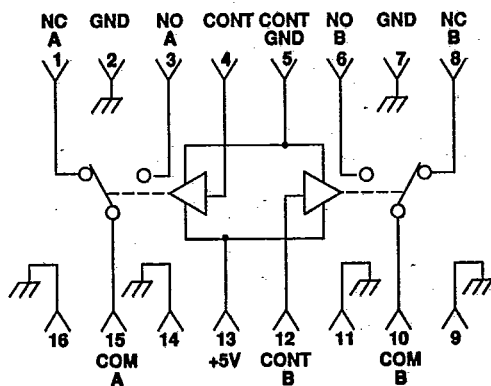


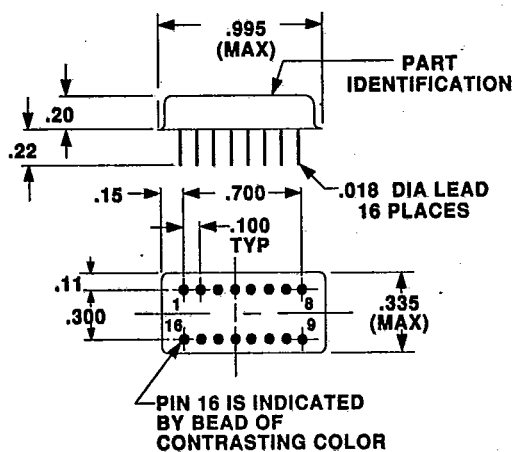
T-51-11



DS0049 SP2T DUAL SWITCH

- 10 - 400 MHz
- 5 mA, +5 VDC
- FAST SWITCHING SPEED

GaAs



OPERATING CHARACTERISTICS

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
CURRENT DRAIN		1	5	mA	AT +5V DC SUPPLY
INTERCEPT POINT, 2ND		+83		dBm	290/1350 MHz
3RD		+43		dBm	145/130 MHz
SWITCHING TRANSIENTS		37		mV	PEAK VALUE
TRANSITION TIME		20		nSEC	
SWITCHING SPEED		70	100	nSEC	
CONTROL CURRENT, HI		0	±20	μA	V _{IH} = +2.7 V
LO		0	±20	μA	V _{IL} = +0.6V
INSERTION LOSS		.7	1	dB	
ISOLATION	40	47		dB	10 - 200
	30	38		dB	200 - 400
VSWR		1.15/1	1.25/1		
IMPEDANCE		50		Ohms	
RF POWER, OPERATE			+10	dBm	.1 DB COMPRESSION
MAXIMUM			+30		NO DAMAGE
OPERATING FREQUENCY	10		400	MHz	
OPERATING TEMPERATURE	-55		+85	°C	TA

CONTROL: 2 LINE TTL
LOGIC "0" = RF COM TO RF N/C

MODEL NO. DS0049

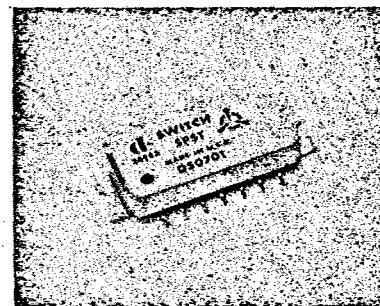
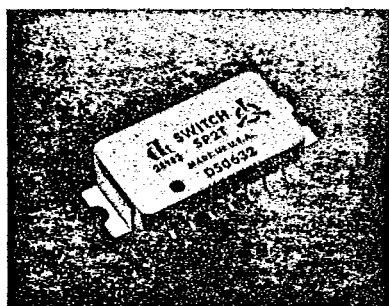
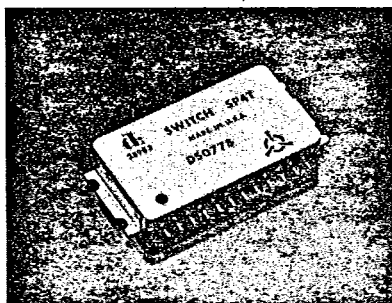


DUAL SP2T SWITCH
10-400 MHz



T-90-20

SURFACE MOUNT TECHNOLOGY PACKAGES



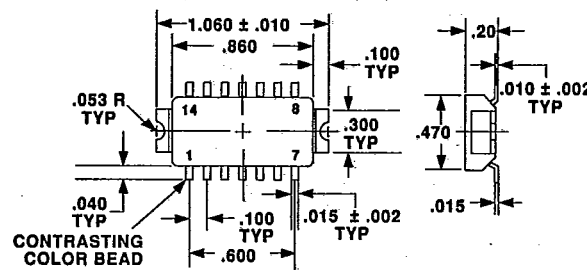
Daico Surface-Mount Products Designed for Military Application

Daico Surface-Mount packages were designed specifically for the military environment and have several advantages over traditional SMT packages.

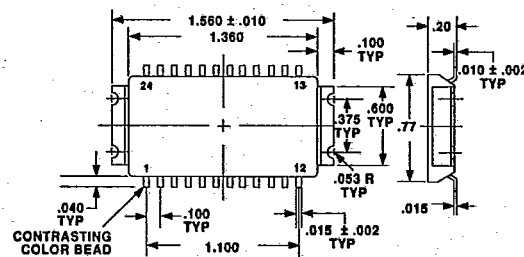
- Pre-formed leads eliminate the possibility of broken glass seals during forming process.
- Gull-wing type design allows easy soldering and QA inspection of finished solder joints.
- Small lead length between package and board reduces stress on glass seals over thermal cycling and vibration without sacrificing RF performance.
- Mounting tabs allow easy mounting and excellent grounding.
- Gold-plated Kovar for excellent electrical and thermal conductivity meets MIL-STD environmental specifications (salt spray, humidity, etc.).
- Hermetically sealed.

In addition to the devices specified in this section, Daico switches and attenuators currently packaged in standard width 14 pin, 24 pin and 38 pin DIP format are easily converted to surface mount. We are continually adding new Surface-Mount products. For an updated list of available Surface-Mount products, please call or write Daico Industries, Inc.

14 pin surface mount:



24 pin surface mount:



38 pin surface mount:

