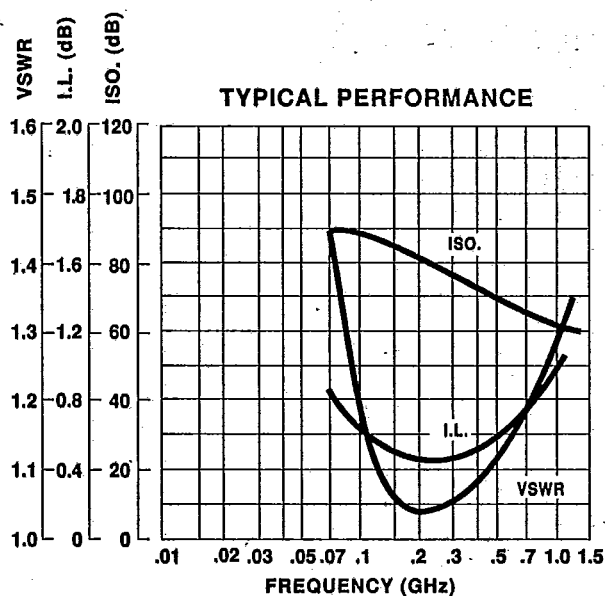
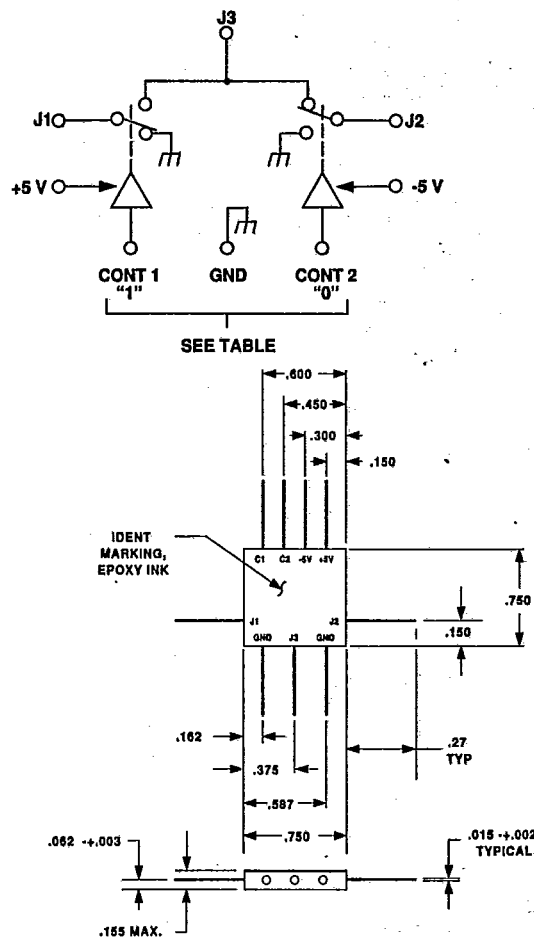


T-51-11

DS0382 SP2T

- 100 - 700 MHz
- 60 dB ISOLATION
- +44 dBm 3rd ORDER IP
- TTL DRIVER

**OPERATING CHARACTERISTICS**

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
CURRENT DRAIN		35 30	180 60	mA mA	AT +5V DC SUPPLY AT -5V DC SUPPLY
INTERCEPT POINT, 2ND 3RD		+86 +44		dBm dBm	
SWITCHING TRANSIENTS		1.4		V	PEAK VALUE
TRANSITION TIME		0.08		μ SEC	90%/10% OR 10%/90% RF
SWITCHING SPEED		0.1	1	μ SEC	50% TTL TO 90%/10% RF
CONTROL CURRENT, HI LO			40 -400	μ A μ A	V _{IH} = 2.7V V _{IL} = 0.5V
INSERTION LOSS			2.0	dB	
ISOLATION	60			dB	
VSWR			2/1		
IMPEDANCE		50		Ohms	
RF POWER, OPERATE MAXIMUM		+23	+13	dBm dBm	.1 DB COMPRESSION NO DAMAGE
OPERATING FREQUENCY	100		700	MHz	
OPERATING TEMPERATURE	-55	+25	+125	$^{\circ}$ C	TA

CONTROL: 2 LINE TTL, SEE TABLE

LOGIC TABLE

C1	C2	FUNCTION
0	1	J1 TO J3
1	0	J2 TO J3
1	1	NONE

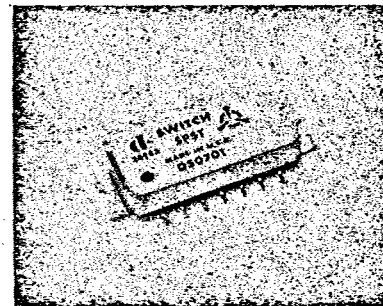
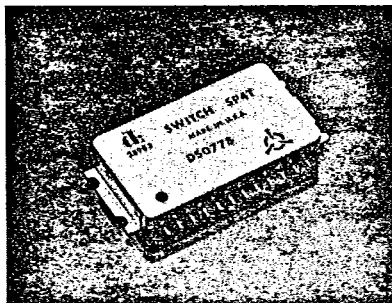
MODEL NO. DS0382


SP2T
100-700 MHz



T-90-20

SURFACE MOUNT TECHNOLOGY PACKAGES



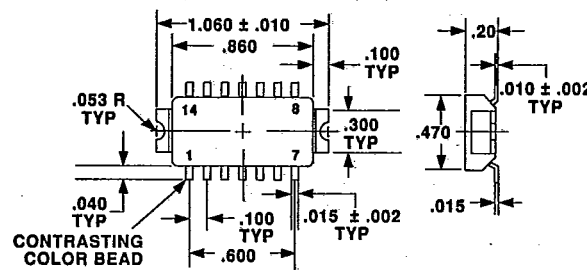
Daico Surface-Mount Products Designed for Military Application

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

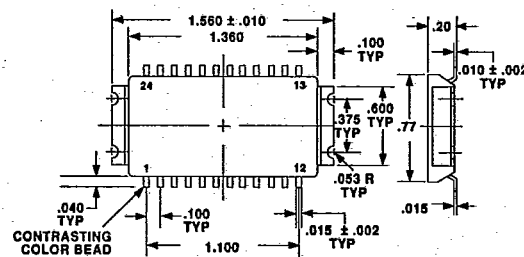
- Pre-formed leads eliminate the possibility of broken glass seals during forming process.
- Gull-wing type design allows easy soldering and QA inspection of finished solder joints.
- Small lead length between package and board reduces stress on glass seals over thermal cycling and vibration without 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:

