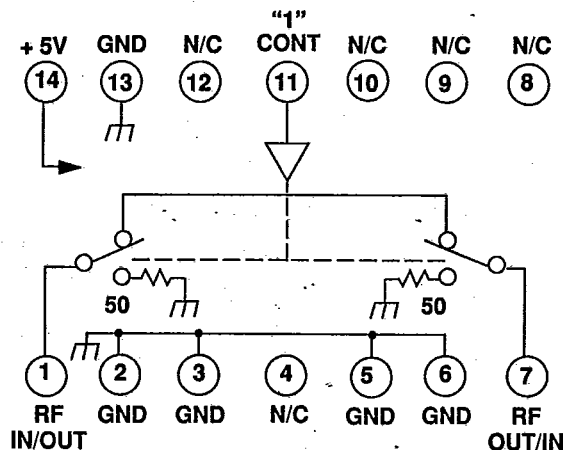
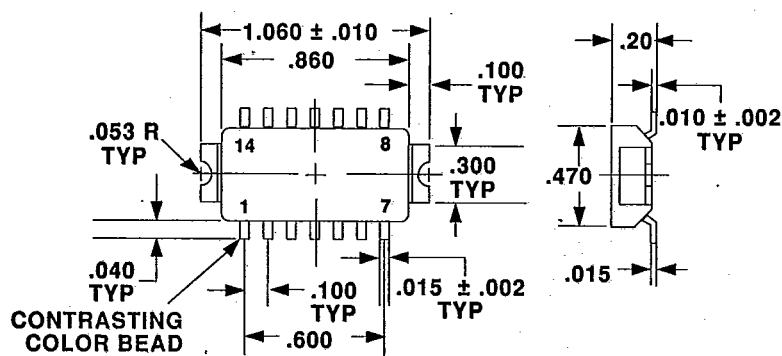


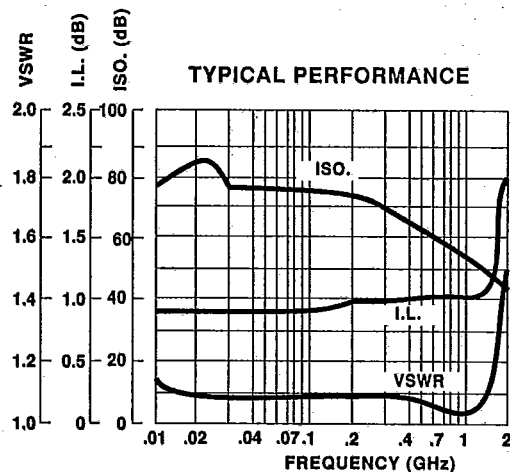
DS0701 SPST

N/C = NO INTERNAL CONNECTION, TYP

- 10 - 1000 MHz
- 0.44 mA, +5 VDC
- 14 nSEC RISE/FALL TIME
- 14 PIN SURFACE MOUNT PACKAGE
- TTL DRIVER

GaAs**OPERATING CHARACTERISTICS**

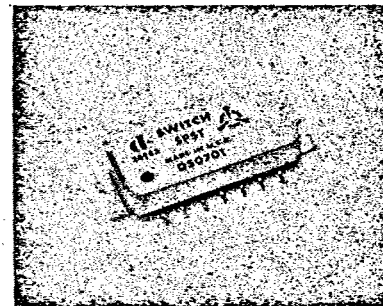
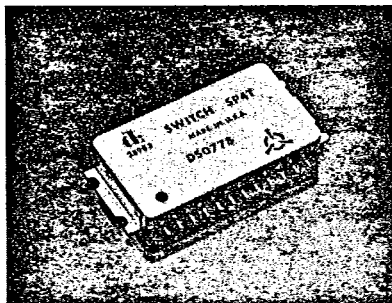
PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
CURRENT DRAIN		0.44	1	mA	AT +5V DC SUPPLY
INTERCEPT POINT, 2ND 3RD		+94 +53		dBm dBm	214/127 MHz 107/127 MHz
SWITCHING TRANSIENTS		14	35	mV	PEAK VALUE
TRANSITION TIME		14		nSEC	90%/10% OR 10%/90% RF
SWITCHING SPEED		28	50	nSEC	50% TTL TO 90%/10% RF
CONTROL CURRENT, HI LO	0.0 0.0	±20 ±20		µA µA	V _{IH} = +2.7V V _{IL} = +0.5V
INSERTION LOSS		1.0 1.4	1.5 2.0	dB dB	10 - 500 MHz 500 - 1000 MHz
ISOLATION	60 50 40	70 62 52		dB dB dB	10 - 200 MHz 200 - 500 MHz 500 - 1000 MHz
VSWR		1.10/1 1.28/1	1.30/1 1.50/1		
TERMINATION VSWR					
IMPEDANCE		50		Ohms	
RF POWER, OPERATE MAXIMUM		+16 +23		dBm dBm	.1 DB COMPRESSION NO DAMAGE
OPERATING FREQUENCY	10		1000	MHz	
OPERATING TEMPERATURE	-55	+25	+125	°C	TA

CONTROL: 1 LINE TTL
LOGIC "1" = ON, LOGIC "0" = OFF**MODEL NO. DS0701****SPST**
10-1000 MHz



T-90-20

SURFACE MOUNT TECHNOLOGY PACKAGES



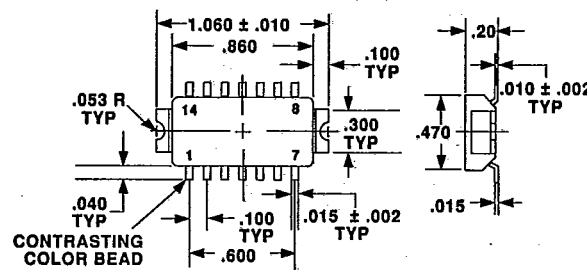
Daico Surface-Mount Products Designed for Military Application

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

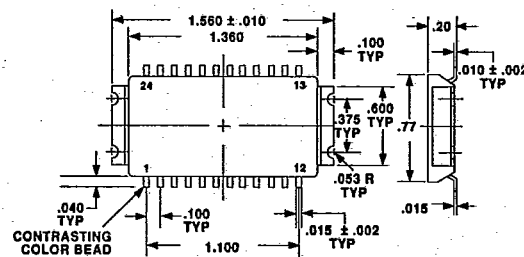
- Pre-formed leads eliminate the possibility of broken glass seals during forming process.
- Gull-wing type design allows easy soldering and QA inspection of finished solder joints.
- Small lead length between package and board reduces stress on glass seals over thermal cycling and vibration without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

