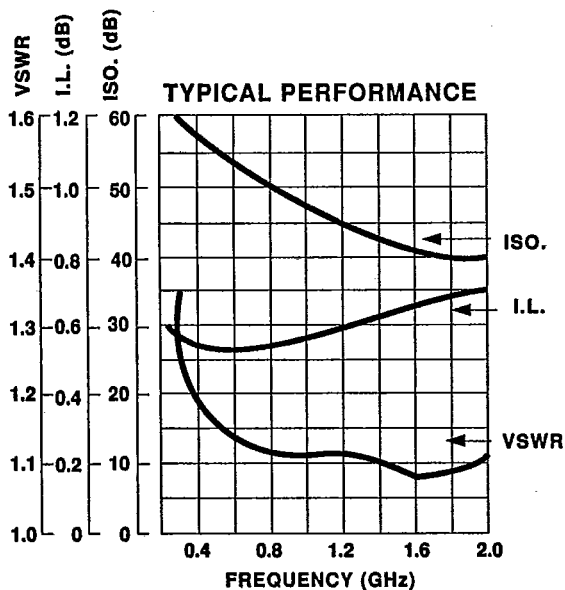
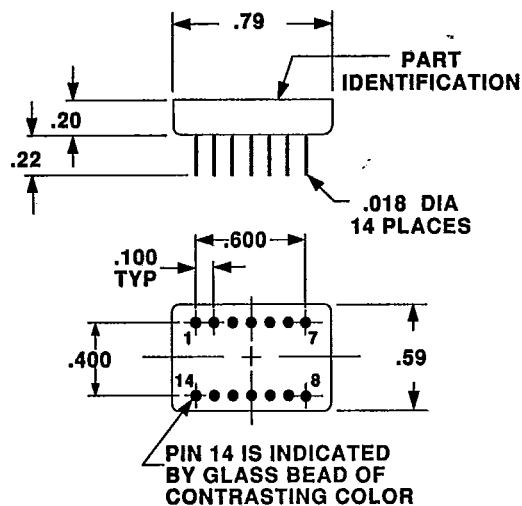
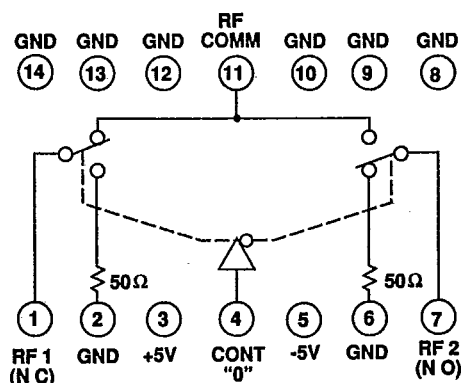


T-51-11

DS0257 SP2T

- 500 - 2000 MHz
- TTL DRIVER
- SEE 100C1515 FOR CONNECTORIZED VERSION

**OPERATING CHARACTERISTICS**

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
CURRENT DRAIN		25	25	mA	AT +5V DC SUPPLY
				mA	AT -5V DC SUPPLY
SWITCHING SPEED		0.4		μSEC	50% TTL TO 90%/10% RF
CONTROL CURRENT, HI		80		μA	V _{IH} = +2.7V
CONTROL CURRENT, LO		-800		μA	V _{IL} = +0.5V
INSERTION LOSS			1.5	dB	
ISOLATION	35	40		dB	
VSWR		1.4/1	1.4/1		
TERMINATION VSWR		1.7/1			
IMPEDANCE		50		Ohms	
RF POWER, OPERATE		+12	+10	dBm	.1 DB COMPRESSION
MAXIMUM			+30	dBm	NO DAMAGE
OPERATING FREQUENCY	500		2000	MHz	
OPERATING TEMPERATURE	-55		+125	°C	TA

CONTROL: 1 LINE TTL

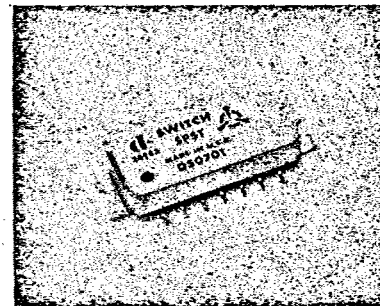
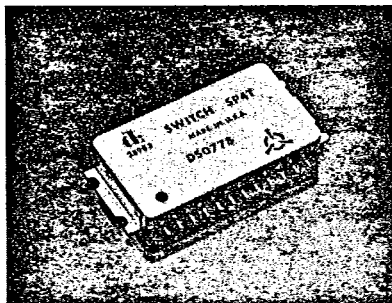
LOGIC "0" = RF COM (PIN 11) TO PIN 1, LOGIC "1" = RF COM (PIN 11) TO PIN 7

MODEL NO. DS0257**SP2T****500-2000 MHz**



T-90-20

SURFACE MOUNT TECHNOLOGY PACKAGES



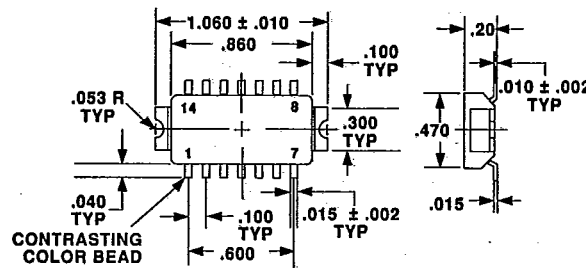
Daico Surface-Mount Products Designed for Military Application

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

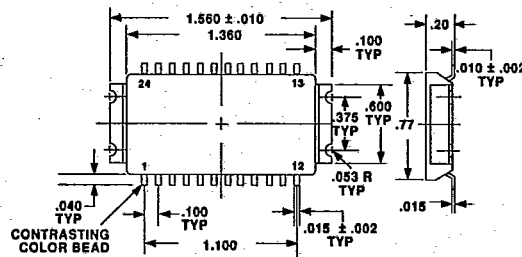
- Pre-formed leads eliminate the possibility of broken glass seals during forming process.
- Gull-wing type design allows easy soldering and QA inspection of finished solder joints.
- Small lead length between package and board reduces stress on glass seals over thermal cycling and vibration without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

