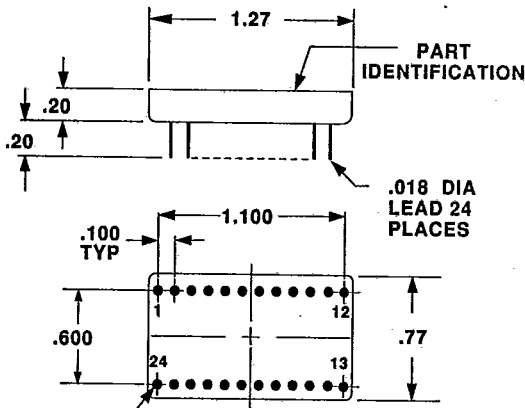
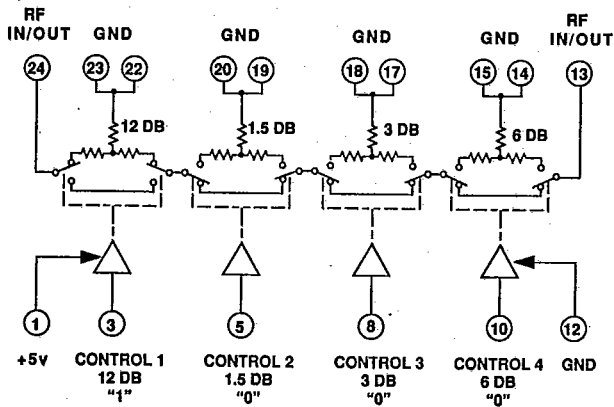


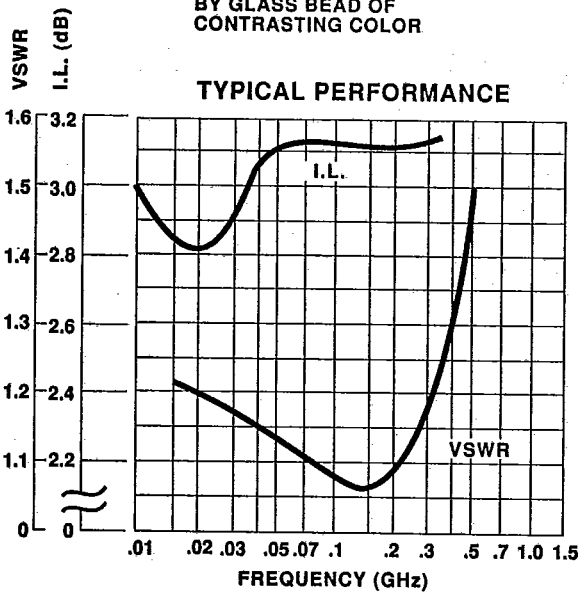
T-71-11-01

DA0129 4 SECTION ATTENUATOR

- 20 - 200 MHz
- 30 nSEC SWITCHING SPEED
- 1.5 dB LSB
- 22.5 dB RANGE
- TTL DRIVER



PIN 24 IS INDICATED BY GLASS BEAD OF CONTRASTING COLOR



OPERATING CHARACTERISTICS

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
CURRENT DRAIN		120	300	mA	AT +5V DC SUPPLY
INTERCEPT POINT, 2ND				dBm	
INTERCEPT POINT, 3RD				dBm	
SWITCHING TRANSIENTS		36	60	mV	PEAK VALUE
TRANSITION TIME					90%/10% OR 10%/90% RF
SWITCHING SPEED		30	35	nSEC	50% TTL TO 90%/10% RF
CONTROL CURRENT, HI			25	μA	V _{IH} = +2.7V
CONTROL CURRENT, LO			-200	μA	V _{IL} = +0.5V
INSERTION LOSS			4	dB	
ATTENUATION: RANGE	0		22.5	dB	
STEPS				dB	1.5, 3, 6, 12
ACCURACY				dB	±(0.25 dB + 2% OF ATTENUATION SETTING IN dB) dB
VSWR			1.3/1		
IMPEDANCE		50		Ohms	
RF POWER, OPERATE		+13	+10	dBm	.1 DB COMPRESSION
MAXIMUM				dBm	NO DAMAGE
OPERATING FREQUENCY	20		200	MHz	
OPERATING TEMPERATURE	-55		+85	°C	TA

CONTROL: 4 LINE TTL,
LOGIC "1" = ATTENUATION, LOGIC "0" = THRU

MODEL NO. DA0129

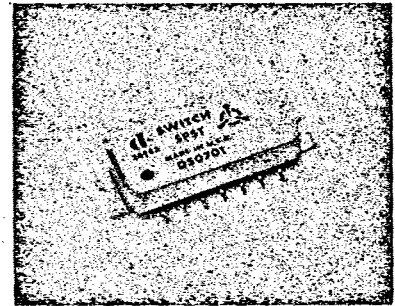
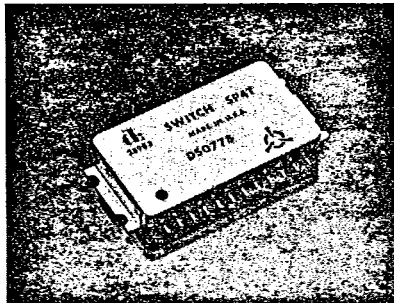


4 Sect. Atten.
20-200 MHz



T-90-20

SURFACE MOUNT TECHNOLOGY PACKAGES



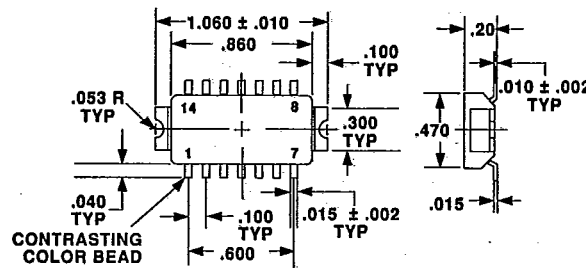
Daico Surface-Mount Products Designed for Military Application

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

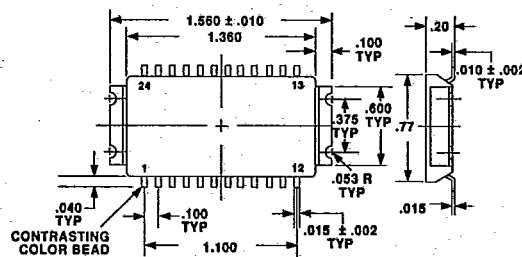
- Pre-formed leads eliminate the possibility of broken glass seals during forming process.
- Gull-wing type design allows easy soldering and QA inspection of finished solder joints.
- Small lead length between package and board reduces stress on glass seals over thermal cycling and vibration without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

