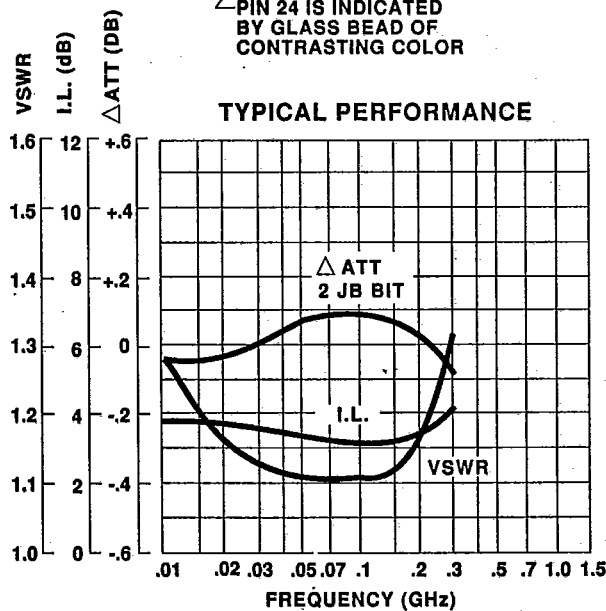
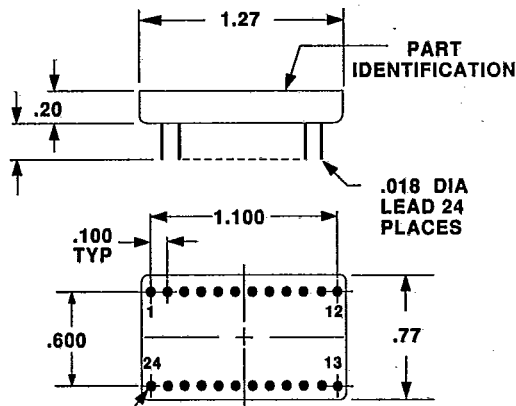
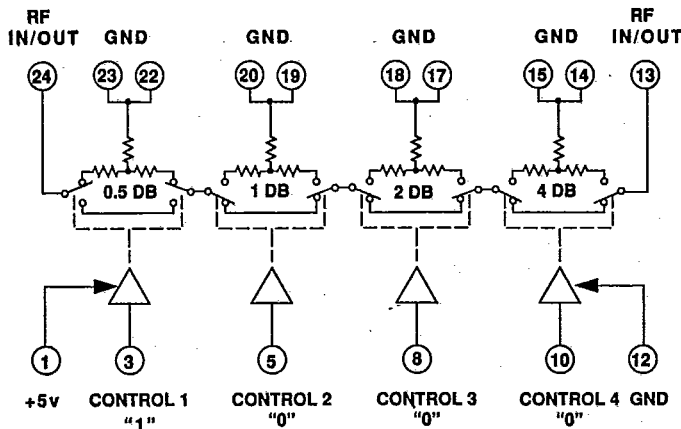


T-71-11-01

DA0186 **4 SECTION** **ATTENUATOR**

- 25 - 35 MHz
- 50nSEC SWITCHING SPEED
- 0.5 dB LSB
- 7.5 dB RANGE
- TTL DRIVER



OPERATING CHARACTERISTICS

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
CURRENT DRAIN		200	300	mA	AT +5V DC SUPPLY
SWITCHING TRANSIENTS			60	mV	PEAK VALUE
SWITCHING SPEED			50	nSEC	
CONTROL CURRENT, HI			25	μA	V _{IH} = +2.7V
LO			-200	μA	V _{IL} = +0.5V
PHASE LINEARITY			±0.5	DEG	VS FREQUENCY
AMPLITUDE STABILITY			±0.3	DEG	VS FREQUENCY
INSERTION LOSS		4	6	dB	
ATTENUATION: RANGE	0		7.5	dB	
STEPS				dB	
ACCURACY				dB	0.5, 1, 2, 4 ±(0.15 dB + 2% OF ATTENUATION SETTING IN dB) dB
VSWR			1.2/1		
IMPEDANCE		50		Ohms	
RF POWER, OPERATE		+14	+10	dBm	.1 DB COMPRESSION
MAXIMUM			+20	dBm	NO DAMAGE
OPERATING FREQUENCY	25		35	MHz	
OPERATING TEMPERATURE	-55		+85	°C	TA

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

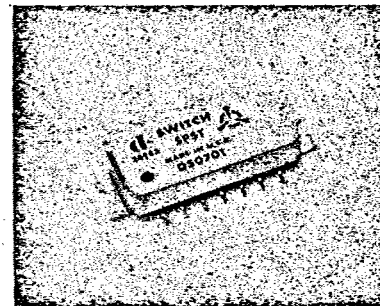
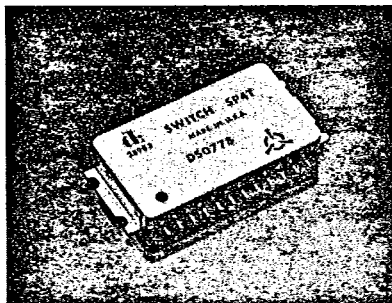
MODEL NO. DA0186

4 Sect. Atten.
25-35 MHz



T-90-20

SURFACE MOUNT TECHNOLOGY PACKAGES



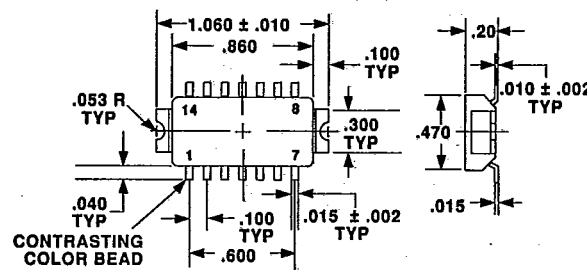
Daico Surface-Mount Products Designed for Military Application

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

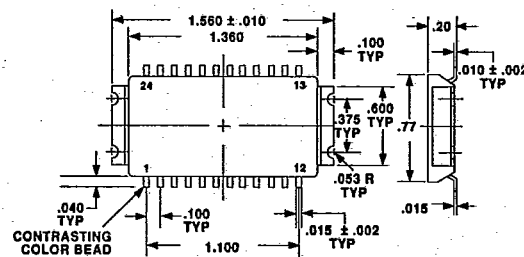
- Pre-formed leads eliminate the possibility of broken glass seals during forming process.
- Gull-wing type design allows easy soldering and QA inspection of finished solder joints.
- Small lead length between package and board reduces stress on glass seals over thermal cycling and vibration without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

