

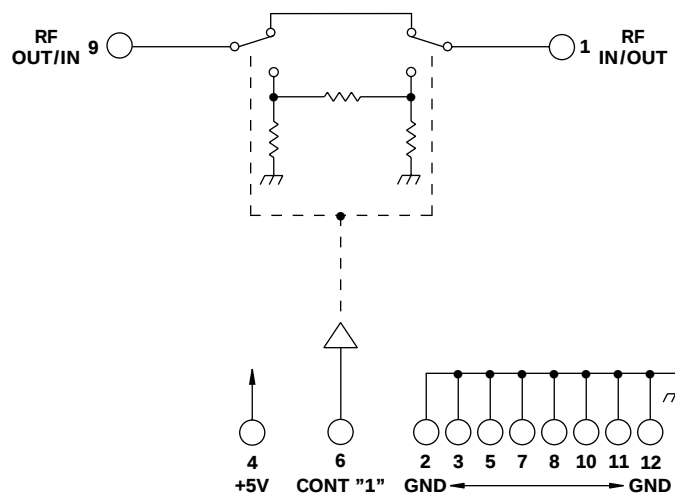
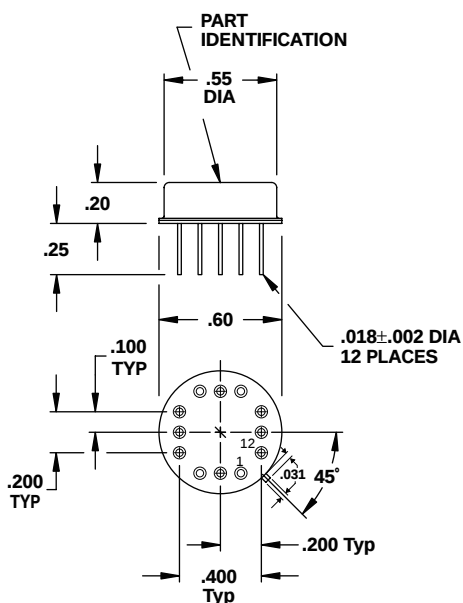
FEATURES

- 10 - 1000 MHz
- 0.1 mA, +5 VDC
- ± 0.1 dB Accuracy
- Constant Phase
- Medium Power
- TTL Driver
- TO-8 Package
- See 100C1711-10 For Connectorized Version



MODEL NO.
DA0923-10

GaAs 1 Section Attenuator



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	10		1000	MHz	
DC Current		0.1	1	mA	At +5 VDC Supply
Control Type		TTL			1 Line, Reverse Logic Available Logic "0" = Attenuation Logic "1" = Thru
Control Current		0	± 20	μ A	$V_{IH} = +3.0$ V $V_{IL} = +0.5$ V
Insertion Loss		1.0	1.4	dB	10 - 700 MHz
		1.2	1.8	dB	700 - 1000 MHz
Attenuation		10		dB	
Fixed Range	0		10	dB	
Accuracy	± 0.10	± 0.25		dB	
Phase Change Vs. Attenuation		± 0.1	± 1	DEG	10 - 300 MHz
		± 2.0	± 5	DEG	300 - 1000 MHz
VSWR		1.1/1	1.3/1		
Impedance		50		OHMS	
Switching Speed		58	100	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		32		nSec	10% / 90% - 90% / 10% RF
Switching (Video) Transients		24		mV	Peak Value
Intercept Points		± 100		dBm	214 MHz / 127 MHz
	2nd	± 40		dBm	107 MHz / 127 MHz
RF Power		± 18	± 15	dBm	0.1 dB Compression
		± 28	± 24	dBm	0.1 dB Comp., 500 - 700 MHz
	No Damage		± 30	dBm	
Operating Temperature	-55	+25	+125	$^{\circ}$ C	TA

