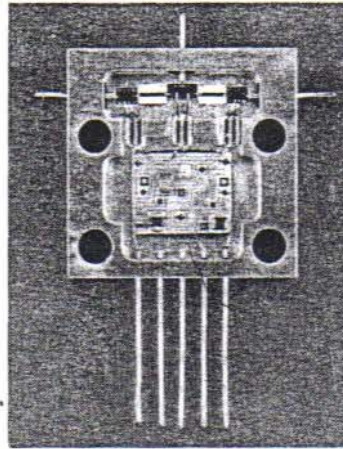


SWITCHES - GaAs MMIC

For Stripline/Microstrip Assemblies

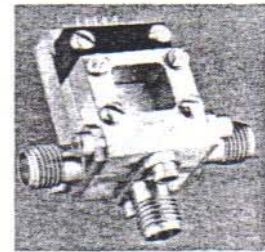
MIDISCO Gallium Arsenide switches offer fast switching speed, low insertion loss and high isolation at low cost. Each model operates over the full MIL-Spec temperature range of -65°C to +150°C and find applications in communications, radar and EW systems. The specifications shown below are typical.

The module types (see "M") also have SMA connectorized packages available for test or system use. The die for the transfer and multi-throw versions have far superior (to 8GHz) performance characteristics without the degradation introduced by the 029 package. Die are available separately. Standard modules are absorptive but reflective types may be specified. Both types are usually delivered from stock.



FEATURES

- Broad Bandwidth
- High Isolation
- Low Insertion Loss
- Hermetically Sealed
- Low Power Consumption
- Small Size
- Fast Switching Speed
- Low Video Breakthrough
- Fast Delivery



SINGLE POLE, SINGLE THROW (typical measurements made at 25°C)

Model Number	Freq. Range (GHz)	@ Freq. (GHz)	VSWR "ON" (both ports)	VSWR "OFF" (both ports)	Insertion Loss (dB)	Isolation (dB)	Input Power @1 dB Comp.	Switch Speed (nsec) (1)	Driver Type	Package No.
1923-26-022	DC-5.0	.045	1.7:1	1.7:1	0.6	70	27	6	None	022
		5.00	1.7:1	1.7:1	1.4	39	31			
1923M-22-061 (2,3)	DC-4.0	.045	1.3:1	1.3:1	1.8	85	27	8	None	061
		4.00	1.3:1	1.3:1	2.2	85	31			
1923M-32-062 (2,3)	DC-4.0	.045	1.3:1	1.3:1	1.8	85	27	10	TTL	062
		4.00	1.3:1	1.3:1	2.2	85	31			
1923M-23-052	DC-1.5	.045	1.25:1	1.35:1	0.6	65	23	15	TTL	052
		1.50	1.5:1	1.5:1	0.9	45	30			

SINGLE POLE, DOUBLE THROW (typical measurements made at 25°C)

Model Number	Freq. Range (GHz)	@ Freq. (GHz)	VSWR "ON" (all ports)	VSWR "OFF" (output ports)	Insertion Loss (dB)	Isolation (dB)	Input Power @1 dB Comp.	Switch Speed (nsec) (1)	Driver Type	Package No.
1923-27-022	DC-5.0	.045	1.7:1	1.7:1	1.1	70	21	6	None	022
		5.00	1.7:1	1.7:1	1.8	35	32			
1923M-23-061 (2,3)	DC-4.0	.045	1.4:1	1.4:1	1.8	70	27	8	None	061
		4.00	1.6:1	1.6:1	2.7	70	30			
1923M-33-062 (2,3)	DC-4.0	.045	1.4:1	1.4:1	1.8	70	27	10	TTL	062
		4.00	1.6:1	1.6:1	2.7	70	30			

NOTES:

- 1). Switching speed is defined as 50% control to 90% RF.
- 2). Modules (note "M") are absorptive in the "Off" state. Specify "R" after "M" for reflective option. Example: 1923MR-23-061
- 3). For an optional SMA connectorized package, change 061 to S61 and 062 to S62. SMA packages are normally shipped separate

MIDISCO

61 MALL DRIVE / COMMACK, NEW YORK 11725
1-800-637-4353 / IN N.Y. (516) 543-4774 / FAX (516) 543-4129

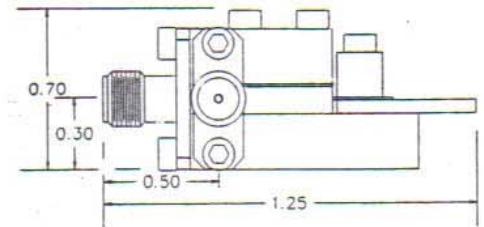
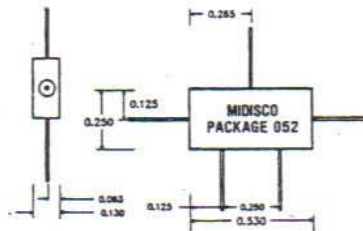
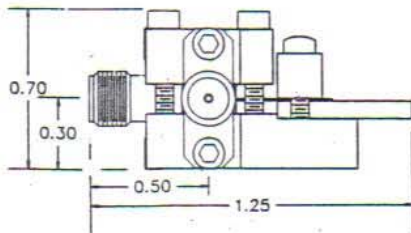
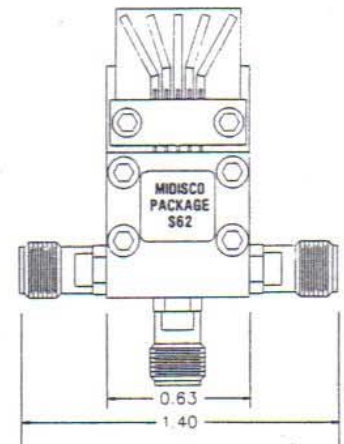
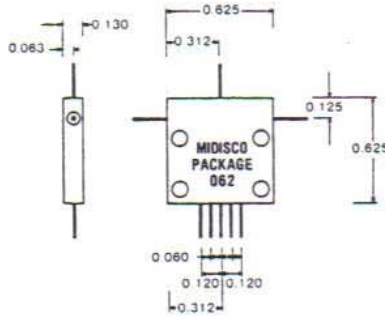
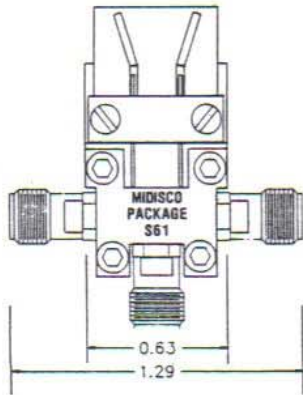
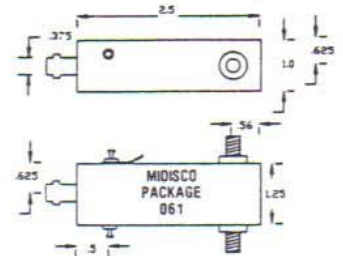
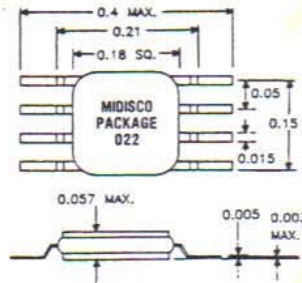
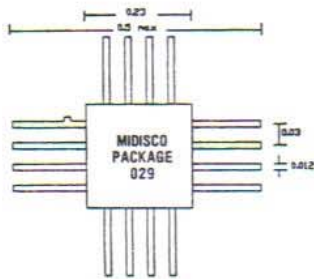
SWITCHES - GaAs MMIC

For Stripline/Microstrip Assemblies

MULTI THROW AND TRANSFER SWITCHES

Model Number	Freq. Range (GHz)	@ Freq. (GHz)	VSWR "ON" (all ports)	VSWR "OFF" (all ports)	Insertion Loss (dB)	Isolation (dB)	Input Power @1 dB Comp.	Switch Speed (nsec) (1)	Driver Type	Package No.
1923-42-029	DC-3.0	.045	1.5:1	1.5:1	1.4	45	24	6	None	029
		3.00	1.5:1	1.5:1	1.9	30	30			
1923-43-029	DC-3.0	.045	1.5:1	1.5:1	1.4	45	24	8	None	029
		3.00	1.5:1	1.5:1	1.9	30	30			
1923-31-029	DC-2.0	.045	1.5:1	1.5:1	0.6	50	22	10	None	029
		2.00	1.5:1	1.5:1	1.0	25	28			

SWITCH PACKAGES:



MIDISCO

61 MALL DRIVE / COMMACK, NEW YORK 11725

1-800-637-4353 / IN N.Y. (516) 543-4774 / FAX (516) 543-4129