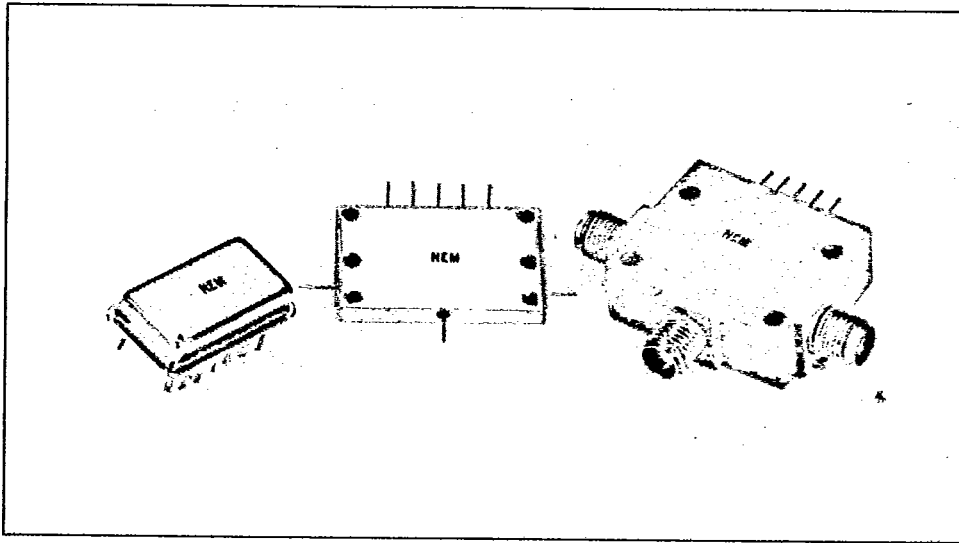


A-29-25
T-51-11

Single Pole Two Throw



LOW BAND 10 MHz to 1000 MHz (GaAs MMIC)

HIGH BAND 1 GHz to 18.5 GHz (PIN Diode)

DESCRIPTION

- GaAs, MMIC and PIN diode technology
- High reliability
- Hermetically-sealed
- Operates from -55°C to +125°C
- Wide bandwidth: 10 MHz to 18.5 GHz
- 10 MHz PRR
- 25 ns delay
- 5 ns rise/fall
- 60 dB Iso
- VSWR 2:1
- Integral ECL or TTL drivers

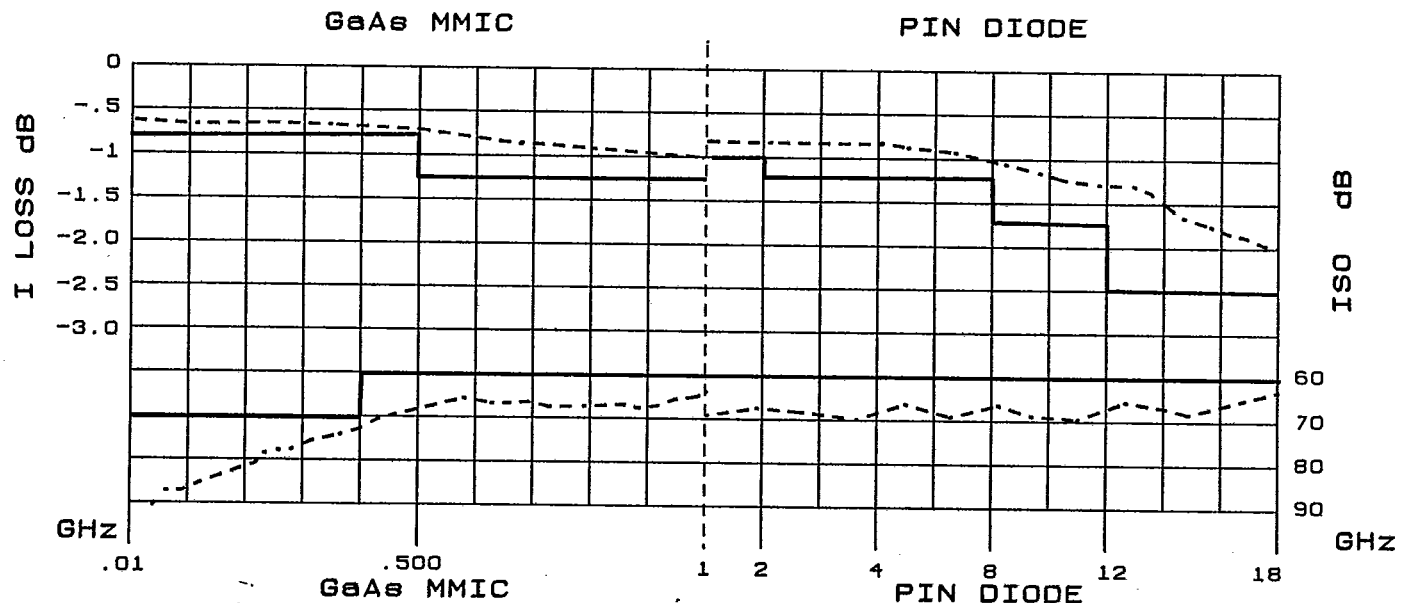
CUSTOM OPTIONS

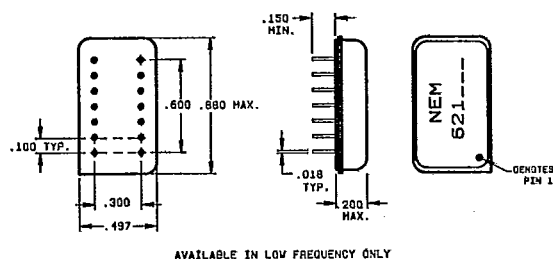
- VSWR 1.4:1
- Non-reflective
- Ultra-fast 2 ns rise/fall
- Low transient
- Low pulse and intermod distortion

SCREENING

Bond Pull	NEM J10003	1%AQL	MIL-STD-105
Internal Visual	NEM J10006	100%	
Temperature Cycle	MIL-STD-883	100%	Method 1010
Gross Leak	MIL-STD-883	100%	Method 1014
External Visual	MIL-STD-883	100%	Method 2009

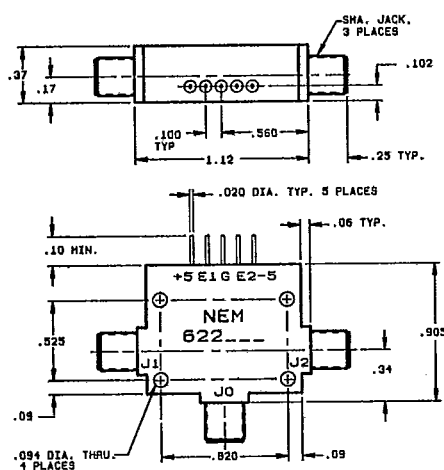
TYPICAL PERFORMANCE CHARACTERISTICS



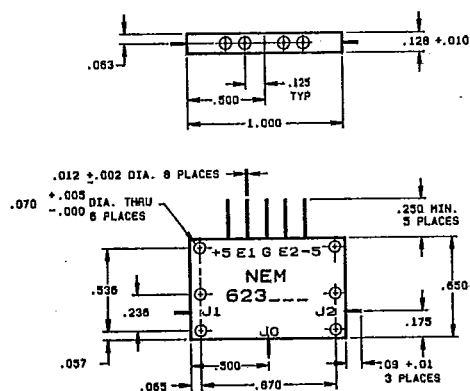


AVAILABLE IN LOW FREQUENCY ONLY

Style Code 21



Style Code 22



Style Code 23

TRUTH-TABLES

A-29-25

T-51-11

Table A

LOGIC	AF	
E1	J0-J1	J0-J2
H	I LOSS	ISO
L	ISO	I LOSS

Table B

LOGIC		AF	
E1	$\overline{E1}$	J0-J1	J0-J2
H	L	I LOSS	ISO
L	H	ISO	I LOSS

Table C

LOGIC		RF	
E1	E2	J0-J1	J0-J2
H	L	I LOSS	ISO
L	H	ISO	I LOSS
L	L	ISO	ISO

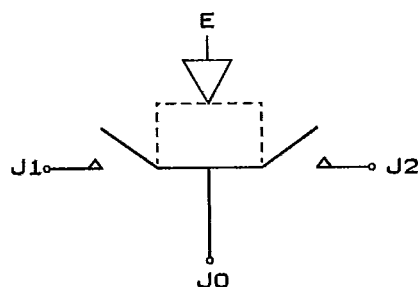
LOGICCODES

1	TTL
2	ECL
3	ANALOG

FREQUENCY CODES

1	LOW	10 MHz TO 1 GHz (GaAs MMIC)
2	HIGH	1 GHz TO 18.5 GHz (PIN DIODE)

FUNCTIONAL DIAGRAM



ORDERING INFORMATION

