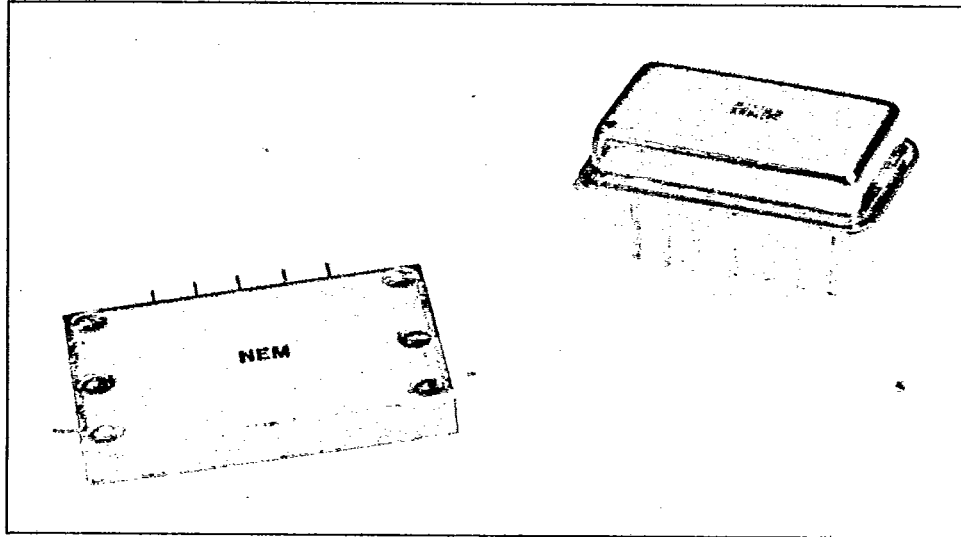


T-51-11
A-29-25

Single Pole Single 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

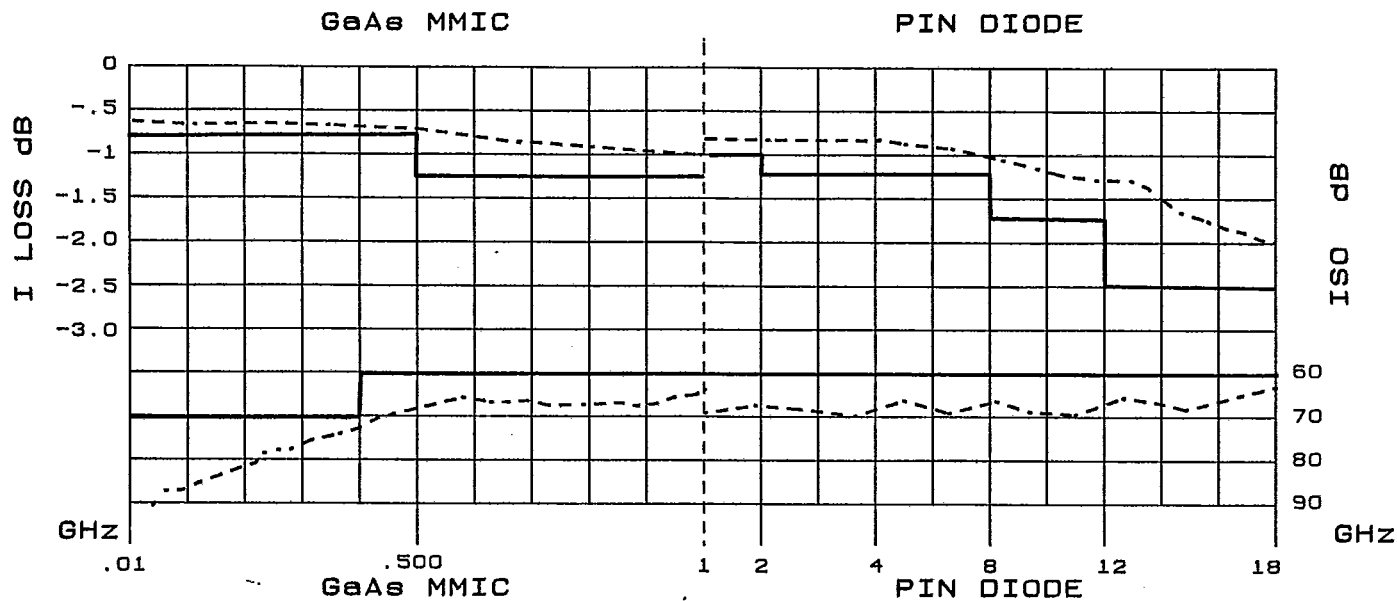
CUSTOM OPTIONS

- 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



T-51-11
A-29-25NEW ENGLAND
MICRONETICS

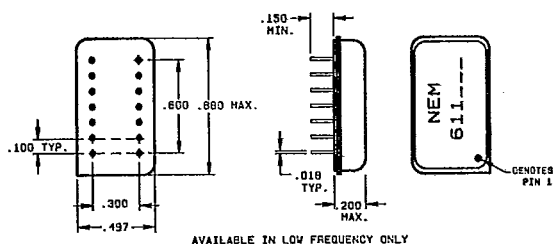
TRUTH TABLES

Table A

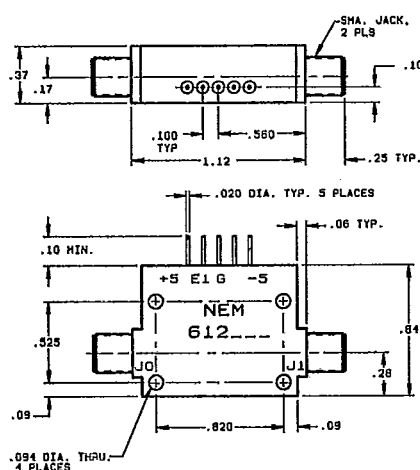
LOGIC	RF
E1	J0-J1
H	I LOSS
L	ISO

Table B

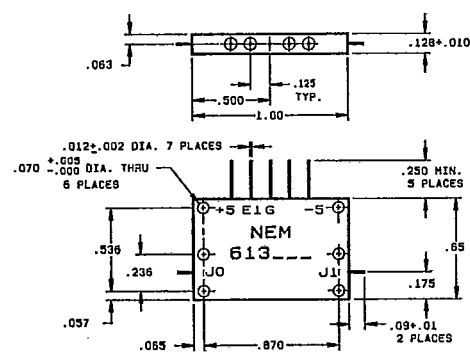
LOGIC	RF
E1	$\overline{E1}$ J0-J1
H	L I LOSS
L	H ISO



Style Code 11



Style Code 12



Style Code 13

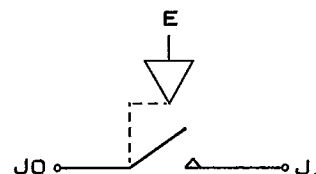
LOGIC CODES

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

6

- Frequency
See Codes Chart
- Logic
See Codes Chart
- Truth Table
See Truth Tables
- Package Style
See Style Codes
- Number of Poles
See Number of Style Code
- Denotes Switch