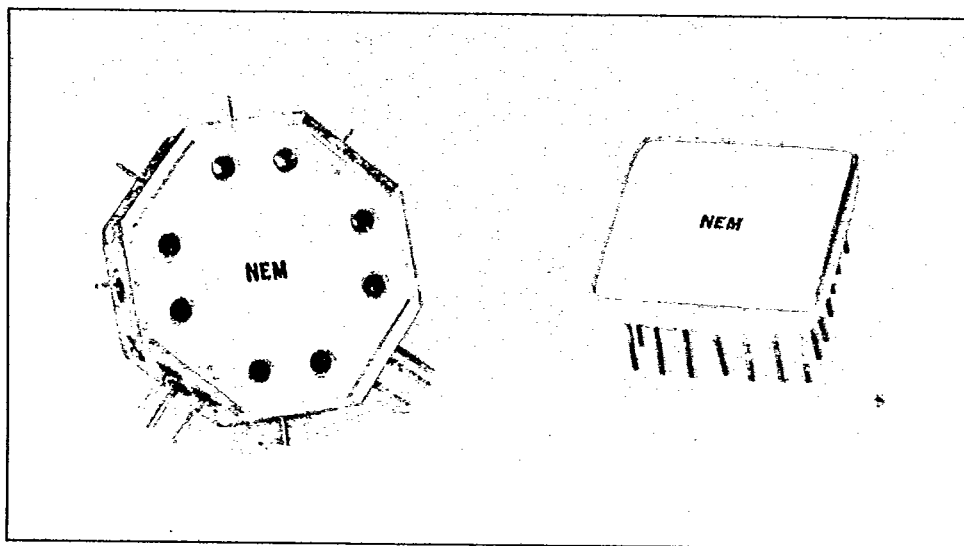


Single Pole Five Throw

T-51-11
A-29-25



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

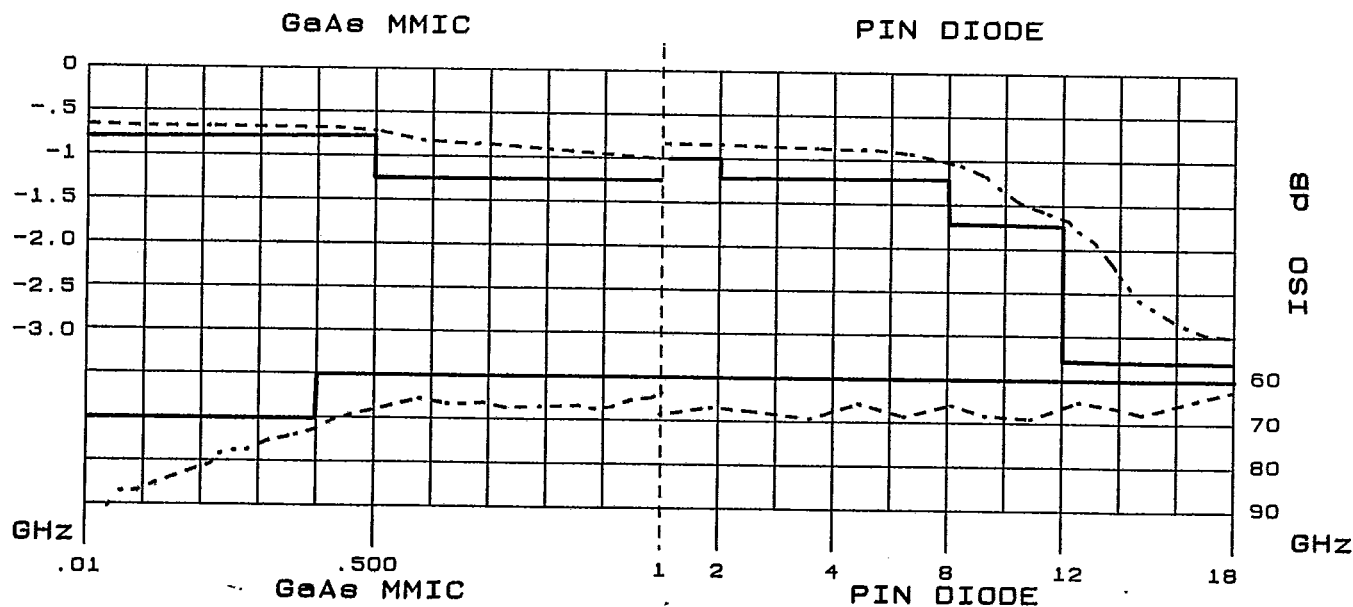
CUSTOM OPTIONS

- 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



TRUTH TABLES

T-51-11

Table A

A-29-25

LOGIC					RF				
E1	E2	E3	E4	E5	J0-J1	J0-J2	J0-J3	J0-J4	J0-J5
1	0	0	0	0	I LOSS	ISO	ISO	ISO	ISO
0	1	0	0	0	ISO	I LOSS	ISO	ISO	ISO
0	0	1	0	0	ISO	ISO	I LOSS	ISO	ISO
0	0	0	1	0	ISO	ISO	ISO	I LOSS	ISO
0	0	0	0	1	ISO	ISO	ISO	ISO	I LOSS
0	0	0	0	0	ISO	ISO	ISO	ISO	ISO

Table B

LOGIC			RF				
A0	A1	A2	J0-J1	J0-J2	J0-J3	J0-J4	J0-J5
1	0	0	I LOSS	ISO	ISO	ISO	ISO
0	1	0	ISO	I LOSS	ISO	ISO	ISO
0	0	0	ISO	ISO	I LOSS	ISO	ISO
0	0	1	ISO	ISO	ISO	I LOSS	ISO
1	0	1	ISO	ISO	ISO	ISO	I LOSS

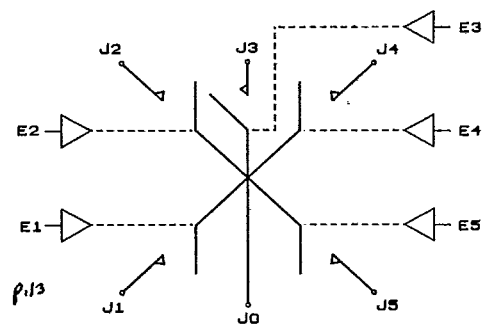
LOGIC CODES

1	TTL
2	ECL
3	ANALOG

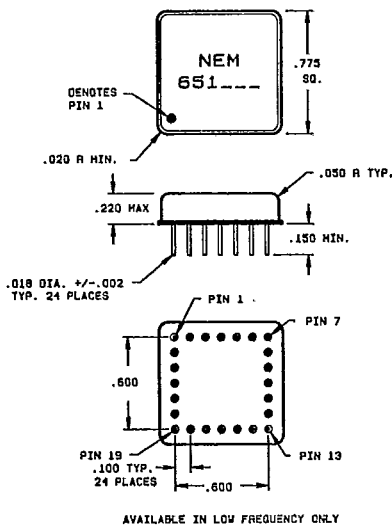
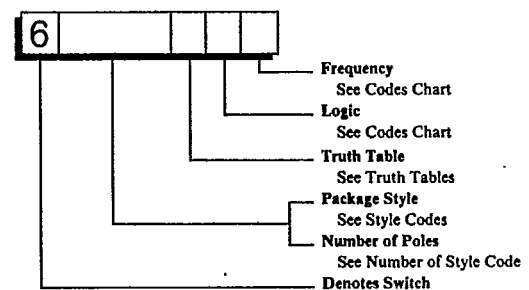
FREQUENCY CODES

1	LOW	10 MHZ TO 1 GHZ (GaAs MMIC)
2	HIGH	1 GHZ TO 18.5 GHZ (PIN DIODE)

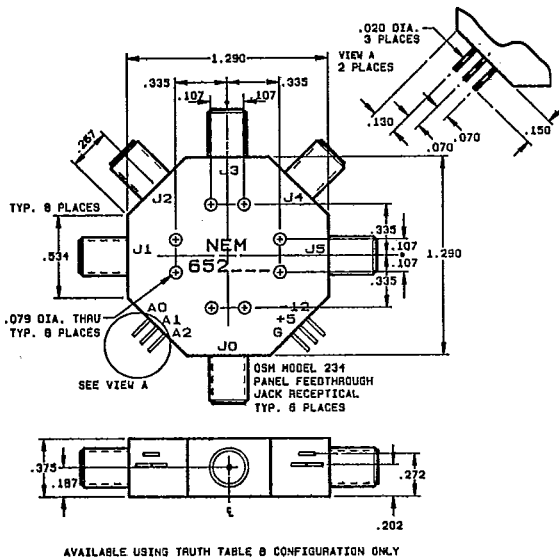
FUNCTIONAL DIAGRAM



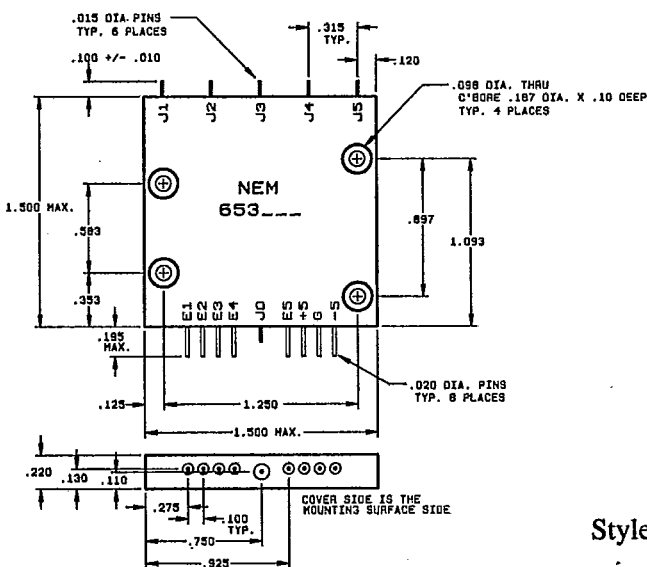
ORDERING INFORMATION



Style Code 51



Style Code 52



Style Code 53