

Operating Frequencies

Instrument	Frequency Range	Options
20334-2E	17.6 -26.7 GHz	2-Way Rotor
27334-2E	73.8 – 112 GHz	2-Way Rotor
27334-3E	73.8 – 112 GHz	3-Way Rotor

RF Specification

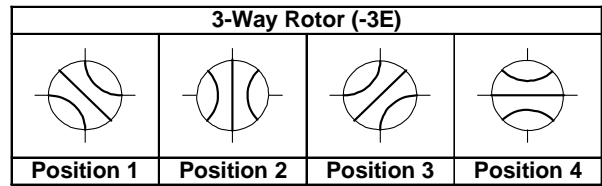
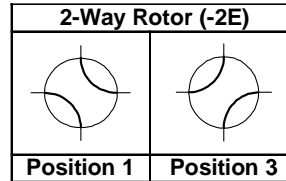
Return Loss	< -26 dB
Insertion Loss	< 1.0 dB
Isolation	> 75 dB (minimum)

Electrical Specification

Supply Voltage	20-28 V DC
Power Consumption	6 W Peak
Control Interface	TTL-level control and indicators
Connector	MIL-C-26482 Shell 12, 10 Pin (Pattern 105) compatible

Environmental Specification

Operating Temp	-10°C to +60°C
Humidity	Non-Condensing (Weatherproof options available)
Operating Altitude	< 3000 m
Storage Altitude	< 10000 m
Shock and Vibration	Normal commercial transport



TTL-level Control Truth Table

Position 1	Position 2	Position 3	Position 4	Action
1	1	1	1	No Action
0	1	1	1	Move to Position 1
1	0	1	1	Move to Position 2
1	1	0	1	Move to Position 3
1	1	1	0	Move to Position 4

Status Indicator Truth Table

Position 1	Position 2	Position 3	Position 4	Indication
0	0	0	0	Between states
1	0	0	0	In Position 1
0	1	0	0	In Position 2
0	0	1	0	In Position 3
0	0	0	1	In Position 4

Pin	Function
A	+ Power In (10 – 14 V DC or 20 – 28 V DC)
B	0 V Common
C	Control – Move to Position 1
D	Control – Move to Position 2 (3 Way Rotor only)
E	Control – Move to Position 3
F	Control – Move to Position 4 (3 Way Rotor only)
G	Indicator – Position 1
H	Indicator – Position 2 (3 Way Rotor only)
J	Indicator – Position 3
K	Indicator – Position 4 (3 Way Rotor only)

Notes

- Control inputs may be asserted momentarily, or continuously – switch returns to standby power level once correctly positioned. Inputs are internally pulled-up, so may be driven by microswitches to ground.
- Indicator outputs are capable of sinking / sourcing up to 25mA at 5V, so may be used to drive LEDs directly.