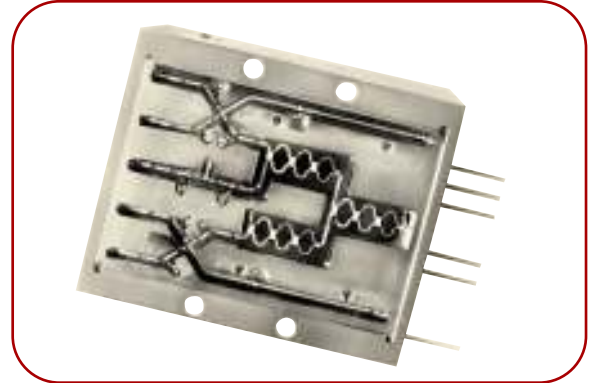


MINIATURE CALIBRATION SWITCH

MODEL: 125475

FEATURES

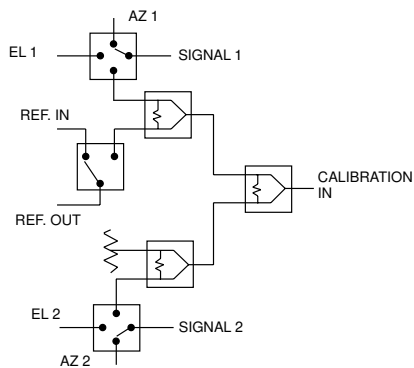
- Compact package
- Tight amplitude and phase tracking
- Fast switching
- Blind mate connectors
- Airborne military applications



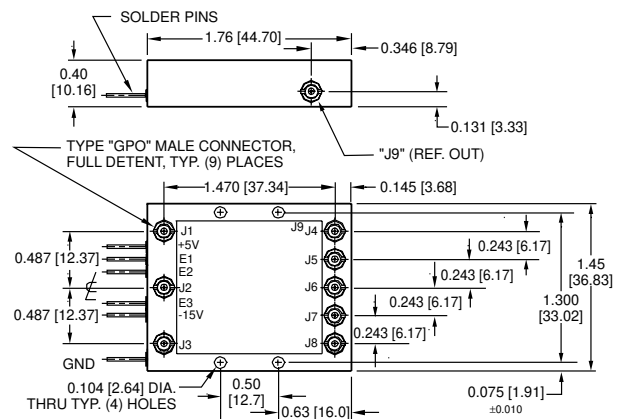
SPECIFICATIONS

PARAMETERS	LIMITS	CONDITIONS	COMMENTS			
Frequency range	6–18 GHz					
Insertion loss	3.3 dB maximum 10 dB maximum	AZ/EL→Sig., Ref. In→Ref. Out Cal. In→Sig., Cal. In→Ref. Out				
Amplitude balance	±0.5 dB maximum	AZ/EL→Sig.				
Phase balance	±5° maximum	AZ/EL→Sig.				
Isolation	25 dB minimum 60 dB minimum	Sig.1 Out to Sig. 2 Out any unselected path	Cal. select AZ/EL select			
VSWR	2:1 maximum	Selected ports				
Switching speed	50 ns maximum	50% TTL to 10 to 90% RF				
DC power	5 V @ 100 mA maximum, -15 V @ 100 mA maximum		Typical			
Control	TTL, 3 lines					
Switch positions	Transmission paths 1. AZ1→Sig. 1, AZ2→Sig. 2, Ref. In→Ref. Out 2. EL1→Sig. 1, EL2→Sig. 2, Ref. In→Ref. Out 3. Cal.→Sig. 1, Cal.→Sig. 2, Cal.→Ref. Out		Path	AZ Select	EL Select	CAL Select
			1.	0	1	1
			2.	1	0	1
			3.	1	1	0
RF connectors	Gilbert GPO male					

FUNCTIONAL BLOCK DIAGRAM



OUTLINE DRAWING



GENERAL NOTES:

1. Dimensions shown in brackets [] are in millimeters.
2. Tolerance as follows: .xx = ±0.01 [.xx = ±0.25], .xxx = ±0.005 [.xxx = ±0.13]