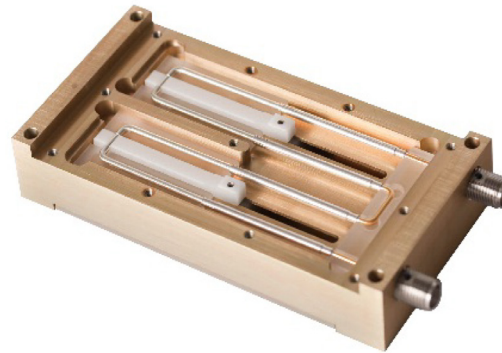


Coaxial Trough Line Phase Shifters

DC-2 GHz, DC-4 GHz and DC-8 GHz Models Available

Features

- Type SMA Connectors Standard
- DC-2 GHz, DC-4 GHz and DC-8 GHz Models Available
- High Performance, Trough Line Style Structure
- Military Grade Materials and Processing
- -40° to + 125°C Operating Temperature Range
- 6706, 6707, 6708, 6806, 6808 Series



Technical Specifications

Model	6706	6806	6707	6708	6808
Frequency Range (GHz)	DC-2	DC-2	DC-4	DC-8	DC-8
Phase Shift, min (°/GHz)	290	290	145	72	72
Phase Shift, min (°/GHz/Shaft Turn)	9.7	9.7	4.9	2.4	2.4
Insertion Phase, Nominal @ Min Phase Setting (°/GHz)	540	550	290	170	180
Number of Turns, min	30	30	30	30	30
VSWR max	1.35	1.35	1.60	1.60	1.60
Insertion Loss, max (dB)	0.7	0.7	0.7	0.7	0.7
Power					
Average (Watts)	100	100	100	100	100
Peak (Watts)	1000	1000	1000	1000	1000
Time Delay, Nominal @ Min Phase Setting (nsec)	1.5	1.5	0.8	0.45	0.45
Weight					
Ounce	8.3	9.3	4.8	3.1	4.3
Grams	235	263	136	88	122

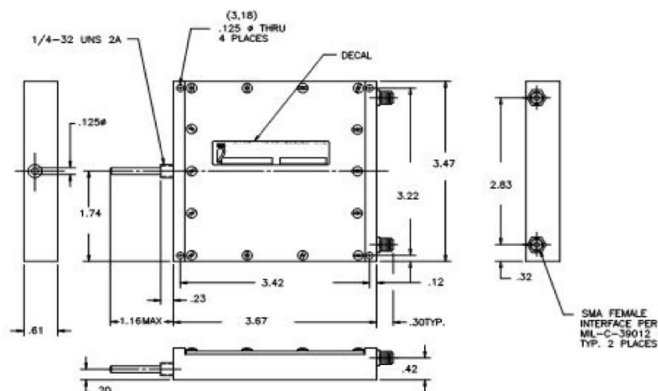
NOTES:

1. 1 Degree per GHz of Phase Shifters equals 2.78 picoseconds of time delay.
2. Average and Peak Power are given at ambient temperature and altitude with Type SMA Connectors.
Power is further limited by threshold level of selected connector style.

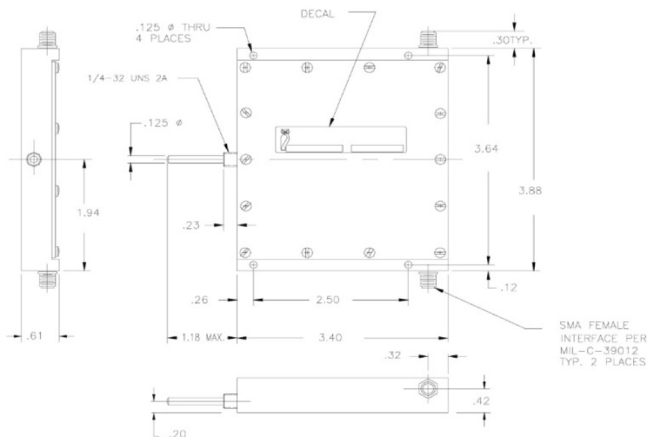
Coaxial Trough Line Phase Shifters

DC-2 GHz, DC-4 GHz and DC-8 GHz Models Available

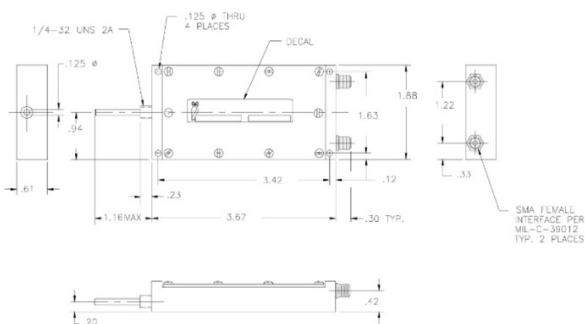
Model 6706



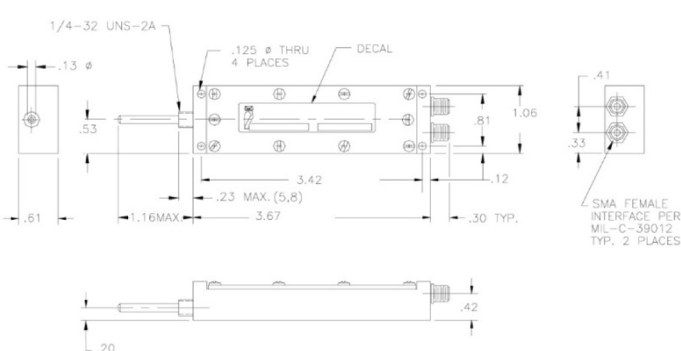
Models 6707



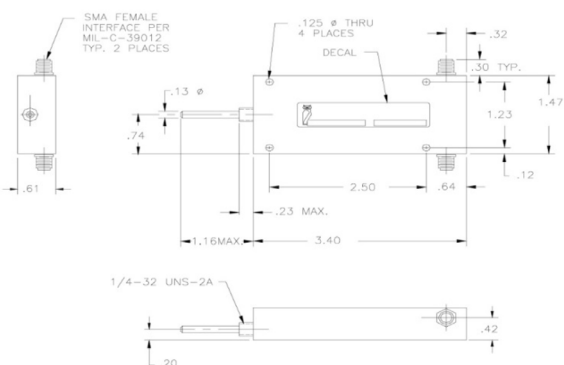
Models 6806



Models 6708



Models 6808



Coaxial Trough Line Phase Shifters

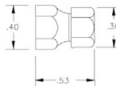
DC-2 GHz, DC-4 GHz and DC-8 GHz Models Available

Ordering Information

Drive Shift and Connector Options:

1. Only the following standard control options are available. The base model is available without additional options.
2. Add suffix is designated below to the ordering model number.

Model # Plus	Description
-1	Shaft Lock
-2	Turns Counter With Built In Shaft Lock
-4	Screw Driver Slot
-5	Control Knob
-14	Shaft Lock With Screw Driver Slot
-15	Shaft Lock With Control Knob

(-1) SHAFT LOCK	(-2) TURNS COUNTER W/ SHAFT LOCK	(-5) CONTROL KNOB
		 D= 0.5" L=0.65

NOTES:

1. APITech "Standard Warranty and Order Terms and Conditions" apply to all orders.
2. All specifications subject to change without notice.
3. Check "Ordering and Availability Listing" for delivery and ordering information.
4. Contact APITech for pricing.