

DIGITAL PHASE INVARIANT ATTENUATOR

MODEL: DPAT-13501450-32-08-0.125

FEATURES

- Frequency range..... 13.5–14.5 GHz
- Insertion loss..... 2.5 dB maximum
- In/Out VSWR..... 2:1 maximum
- Attenuation range..... 0–32 dB
- Attenuation accuracy ± 1 dB
- Minimum attenuation step.. 0.125 dB (LSB)
- Phase variation $\pm 10^\circ$ to 31.875 dB typical
- Power handling..... 20 dBm maximum
CW or peak
- Monotonicity Guaranteed
- Switching time 1 usec maximum
- Digital control 8 bits TTL binary
- DC power..... +12 V @ 150 mA maximum,
-12 V @ 10 mA maximum
- Size 0.34 [8.64" mm] x 0.34 [8.64" mm] x 12.7" [322.58 mm]
(excludes connectors)



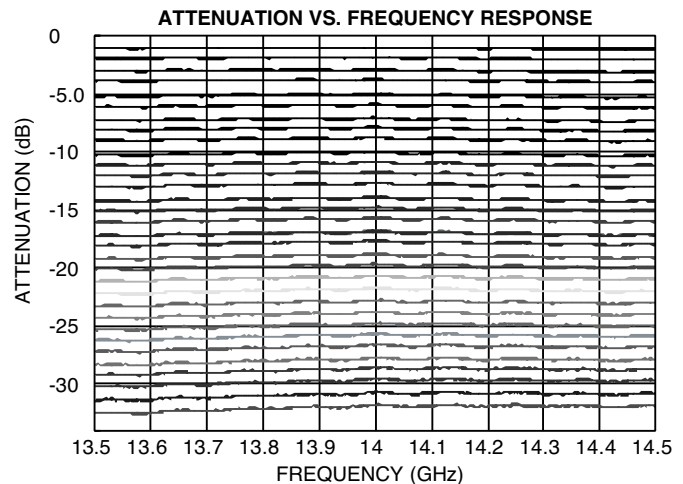
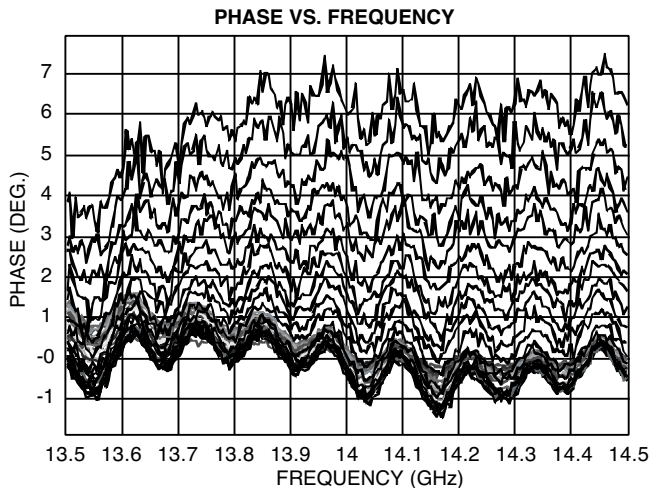
ORDERING INFORMATION

Please contact MITEQ.

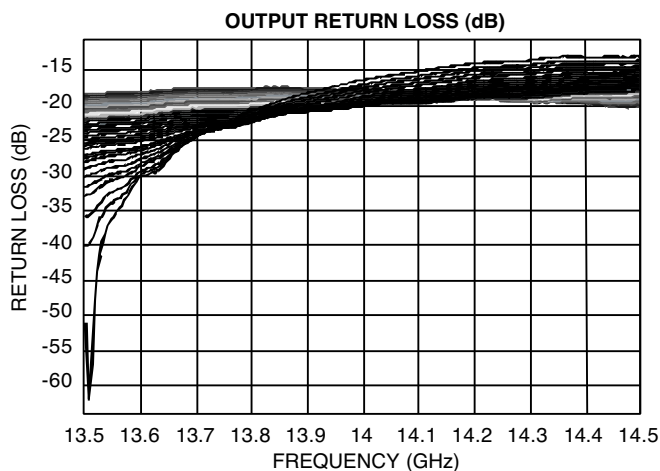
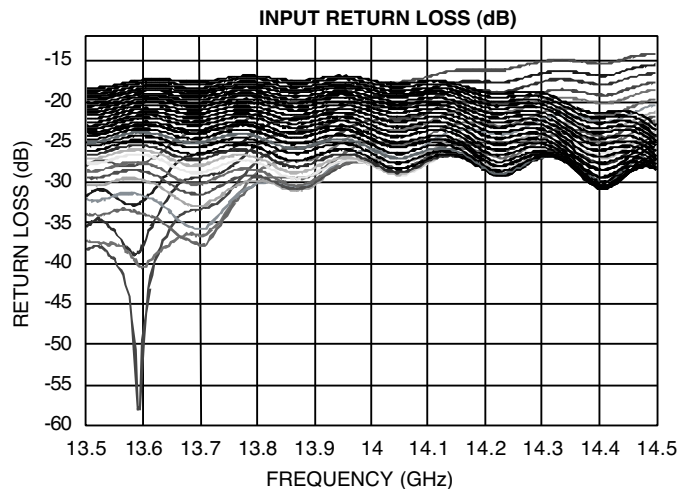
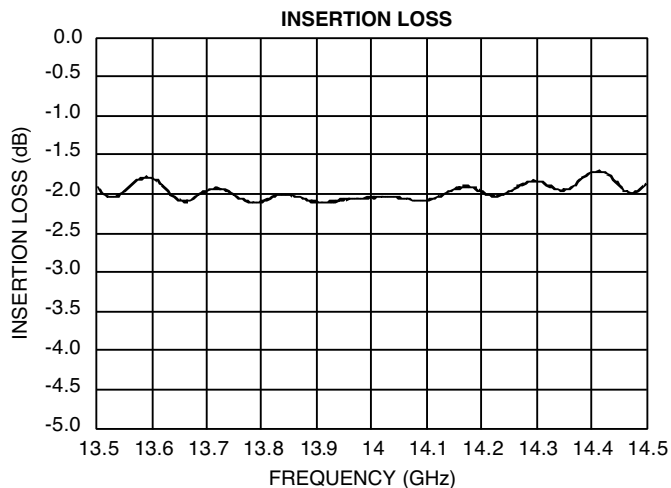
ORDERING INFORMATION FOR RF CONNECTORS

Unless otherwise specified, all units will be shipped with field replaceable SMA female connectors on the input and outputs. If male connectors are desired on any ports, please specify on the purchase order.

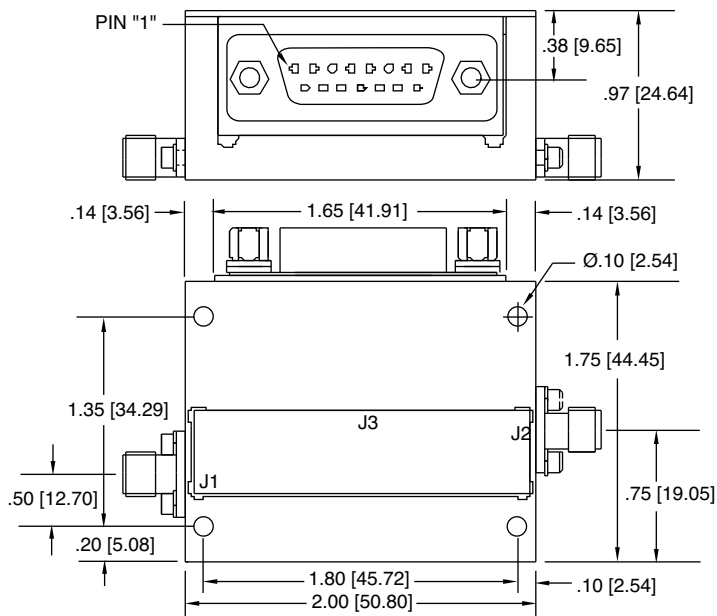
TYPICAL TEST DATA



TYPICAL TEST DATA (CONT.)



OUTLINE DRAWING



GENERAL NOTES:

1. Dimensions shown in brackets [] are in millimeters.
2. Unless specified, all connectors are type SMA female field replaceable.
3. Tolerance as follows:
 .xx = ±0.01 [.xx = ±0.25]
 .xxx = ±0.005 [.xxx = ±0.13]

**POWER CONNECTOR
PIN ASSIGNMENTS
PIN DESIGNATION**

1	-12 V
2	+12 V
3	N.C.
4	0.125 dB
5	0.5 dB
6	4 dB
7	16 dB
8	8 dB
9	GND
10	N.C.
11	2 dB
12	0.25 dB
13	1 dB
14	N.C.
15	N.C.