



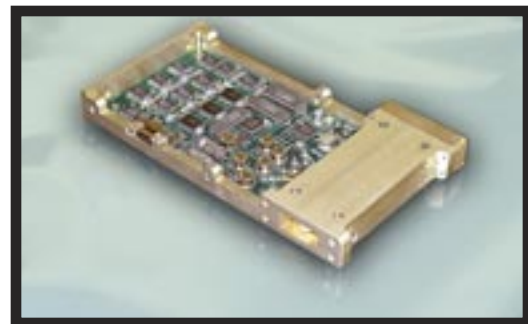
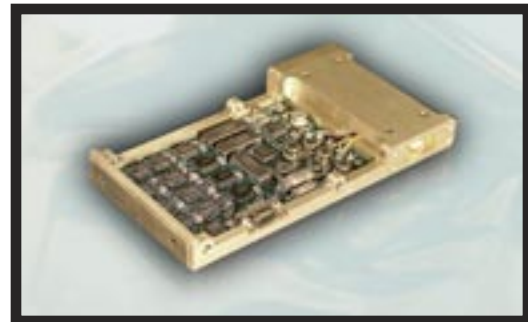
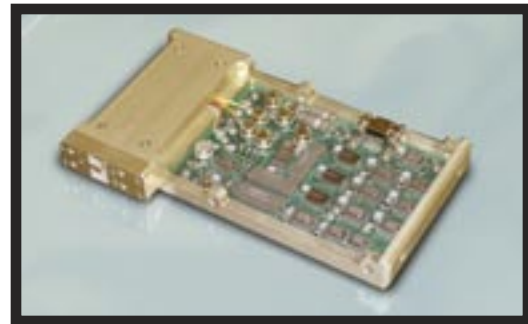
Latching Rotary-Field Phase Shifters

Data Sheet

MAG's **Latching** Rotary-Field Ferrite Phase Shifters combine the best of phase shifter technologies. **Latching** Rotary-Field Ferrite Phase Shifters offer true modulo-360 degree operation with excellent peak and average power handling capabilities across a 1 GHz bandwidth at X-Band. The **Latching** characteristic eliminates the need for holding current thereby reducing system power needs.

These phase shifters are available with different waveguide interfaces at each end, and offer the option of incorporating twist sections without increase in length at a nominal cost. The electronic driver is available integrated with the phase shifter as shown here, or available for remote mounting.

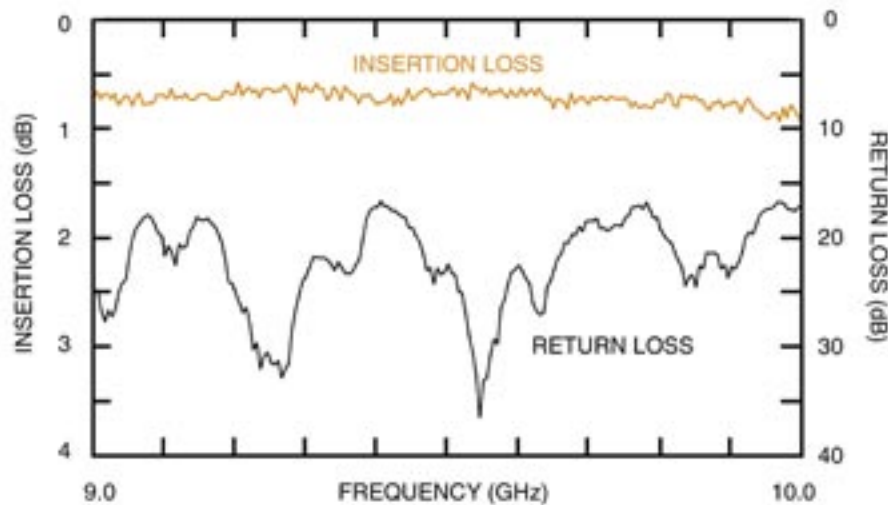
Specifications and measured performance data of MAG's **Latching** Rotary-Field Ferrite Phase Shifters are presented on the back of this sheet.



Latching Rotary-Field Phase Shifters

PARAMETER	VALUE
Frequency	X-Band
Peak Insertion Loss (dB)	<1.2
Average Insertion Loss (dB)	<0.9
Return Loss (dB)	>17.7
Peak RF Power (Watts).....	1500
Average RF Power (Watts).....	100
RMS Phase Error (Degrees)	<3.5
Size, Phase Shifter Only (Inches).....	3.87 x 1.97 x 0.7
Size, Phase Shifter and Driver (Inches)	3.87 x 6.81 x 0.7
Weight with Driver (Ounces)	12.3
Operating Temperature Range (Degrees C).....	-30 to 60

AMBIENT TEMPERATURE DATA



MICROWAVE APPLICATIONS GROUP