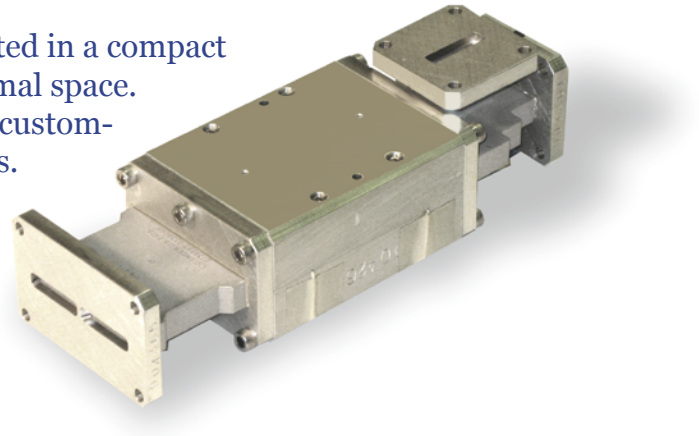
Toroid RF DPDT *X-Band* Waveguide Switch

Microwave Applications Group (MAG) continues to broaden its product line and is pleased to offer a non-reciprocal ***toroidal*** DPDT waveguide switch. This X-Band switch offers excellent performance over 15% bandwidth, and is a lower cost alternative to other switch architectures.

The switch is available with either integral or remote driver circuitry as shown on the reverse side of this sheet.

The example shown here is presented in a compact package optimized to occupy minimal space. Additional port configurations are customizable to meet system requirements.

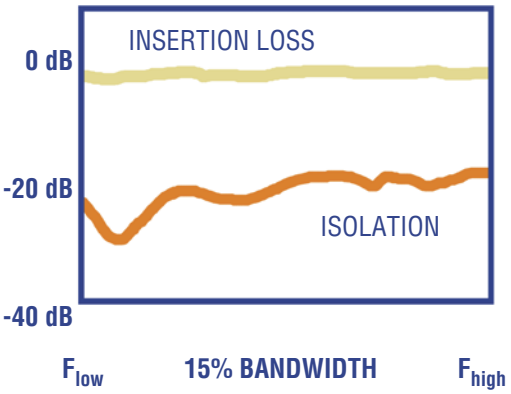


Fast Switching

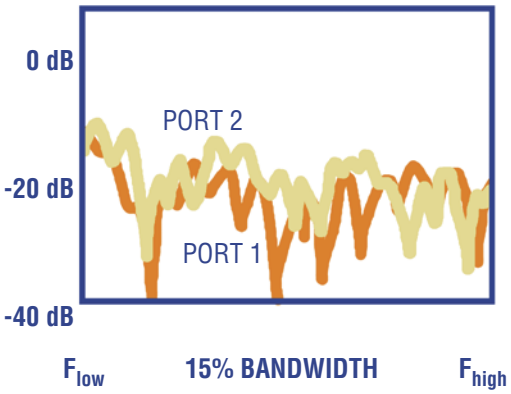
15% Bandwidth

Low Insertion Loss

INSERTION LOSS AND ISOLATION



RETURN LOSS



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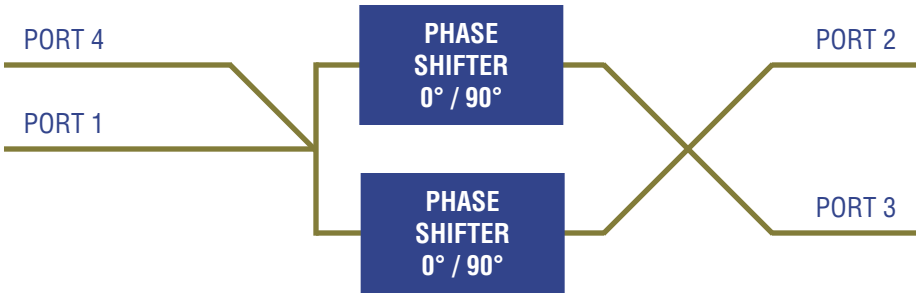
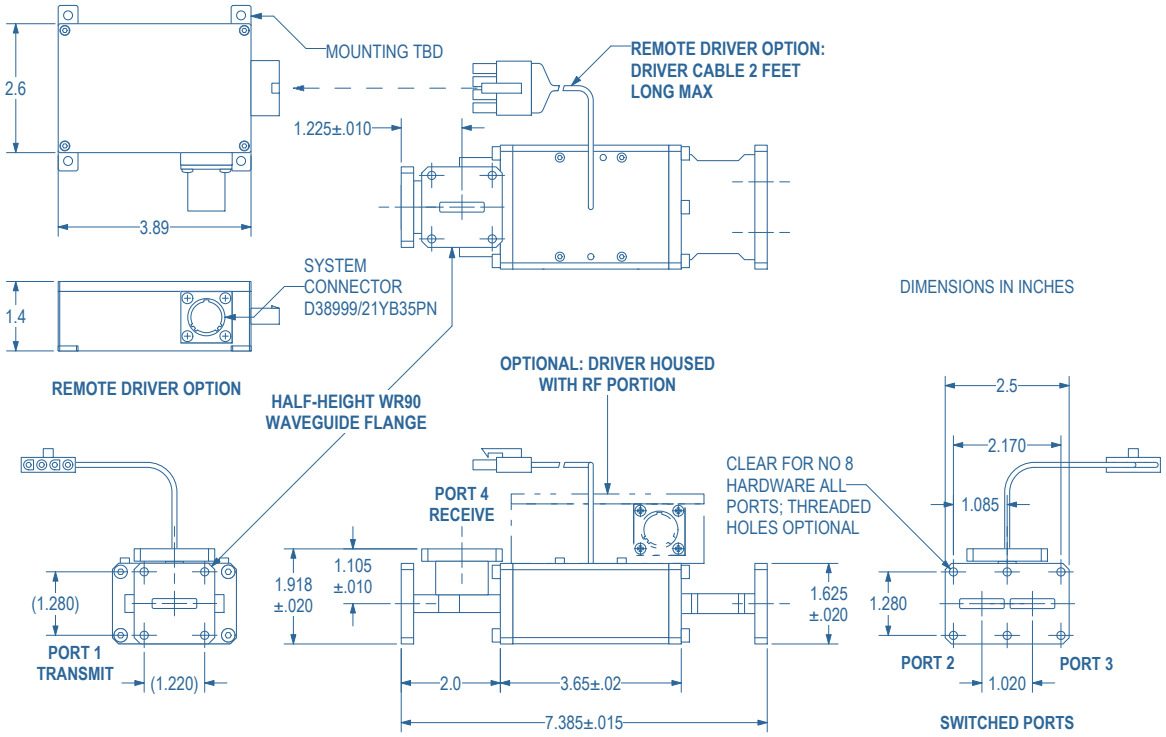
Return Loss: better than –17.7 dB (1.3:1)	Insertion Loss: less than 0.7 dB
Isolation: -18.0 dB or better	Peak Power: 4 kW min

Toroid DPDT Switch Block Diagram



Outline and Mounting



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