

# High Resolution Broadband Multi-Octave Phase Shifters

for mission-critical applications



- Designed for Industrial & Military Applications including Beamforming Modules, Frequency Translation & Nulling, Beam Steering, TR Modules, Communications Antennas, Phased-Array Radar, Phase Modulators, & Test Instrumentation
- 0 to 360°, High Resolution
- Broadband & Multi-Octave up to 40 GHz
- Digital & Analog Control available
- Fast Speed, Low Insertion loss, High Phase Accuracy
- Hermetic Sealing, Military or Aerospace Screening available
- Form, Fit, Function & Custom Design Services

**Quantic PMI offers a full portfolio of RF & Microwave Solid State Phase Shifters available in high resolution, multi-octave & broadband designs up to 40 GHz.**



**PS-200M10G-8B-SFF**  
Digital Phase Shifter



**PS-812-360-14B-SFF  
OPT10D27**  
Digital Phase Shifter



**PS-360-DC-3 OPTION  
618-15D-10BIT**  
Digital Phase Shifter



**PS-2G18G-360-12D-TS**  
Vector Phase Shifter

| Featured Products     | PS-200M10G-8B-SFF<br>Digital Phase Shifter | PS-812-360-14B-SFF<br>OPT10D27<br>Digital Phase Shifter | PS-360-DC-3 OPTION<br>618-15D-10BIT<br>Digital Phase Shifter | PS-2G18G-360-12D-TS<br>Vector Phase Shifter |
|-----------------------|--|---|--|---|
| Frequency Range       | 0.2 to 10 GHz                              | 8 to 12 GHz   | 6 to 18 GHz  | 2 to 18 GHz                                 |
| Phase Shift Range     | 360°                                       | 360°  | 360°   | 360°  |
| Phase Accuracy        | ±0.5° Typ                                  | ±3° Max   | ±8° (Peak to Peak)   | ±15° Typ                                    |
| Insertion Loss        | 8 dB                                       | 12 dB Typ   | 12 dB Typ  | 18 dB Max                                   |
| Switching Speed       | 250 ns                                     | 100 ns  | 30 ns  | 500 ns Max                                  |
| Control Configuration | 8-Bit TTL                                  | 14-Bit TTL  | 10-Bit TTL   | 12-Bit TTL                                  |
| Dimensions (inches)   | 3.25" X 3.25" X 0.84"                      | 3.25" x 2.00" x 0.50"                                   | 1.60" x 1.75" x 0.50"  | 4.25" x 3.50" x 1.00"                       |
| Connectors            | SMA (F)                                    | SMA (F)   | SMA (F)  | SMA (F)                                     |



Get a complete list of our solid state phase shifters models and available options, download product features and other Switch Product technical data at [quanticpmi.com](http://quanticpmi.com)

Or contact us at **1-877-752-6271** or [sales@quanticpmi.com](mailto:sales@quanticpmi.com)