



QPS

Mechanical Specifications

SERIES QPS DIRECT READING PHASE SHIFTER				
FREQUENCY BAND	WAVEGUIDE SIZE	OUTLINE DIMENSIONS, inches/mm		
		A	B	C
Ka	WR-28	8.53/216.7	3.66/93.0	3.22/81.8
Q	WR-22	6.85/174.0	3.66/93.0	3.22/81.8
U	WR-19	6.0/152.4	3.66/93.0	3.22/81.8
V	WR-15	4.85/123.2	3.66/93.0	3.22/81.8
E	WR-12	4.2/106.7	3.66/93.0	3.22/81.8
W	WR-10	3.7/94.0	4.00/102.0	4.50/114.3
Custom Products available. Contact us at sales@quinstar.com or submit an RFQ.				



QPS Specifications

DIRECT READING PHASE SHIFTERS						
Frequency Band	Ka	Q	U	V	E	W
Waveguide Size	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Accuracy (degrees)	3	3	3	4	4	4
Insertion Loss (dB)	1	1.2	1.3	1.5	1.8	2
VSWR (typical)	1.3	1.3	1.3	1.35	1.35	1.35
Average Power (Watts)	1	1	1	0.8	0.7	0.6
Phase Shift Range	0 to 360 degrees direct reading					
Read-Out	0 to 360 degrees in 5 degree divisions					
Loss Variation	1.0 dB (max)					
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Other waveguide sizes are available.

¹ Scale increments: 0dB to 0.1dB = 0.01dB; 0.1dB to 1.0dB = 0.05dB; 1.0dB to 10dB = 0.10dB; 10.0dB to 20.0dB = 0.20dB; 20.0dB to 30.0dB = 0.5dB; 30.0dB to 50.0dB = 1.0dB. Maximum setting 60dB typical.