



High Power Fiber Coupled Phase Modulators

AdvR has developed a phase modulator in a KTP waveguide to operate in wavelengths ranging from near-infrared to near-ultraviolet. The use of KTP waveguides enables modulators with high power handling and low V_{π} . Performance has been optimized in single mode 780nm phase modulators, but contact AdvR to discuss custom configurations to meet your application's needs. Common applications include ion trapping, atom cooling and laser locking.

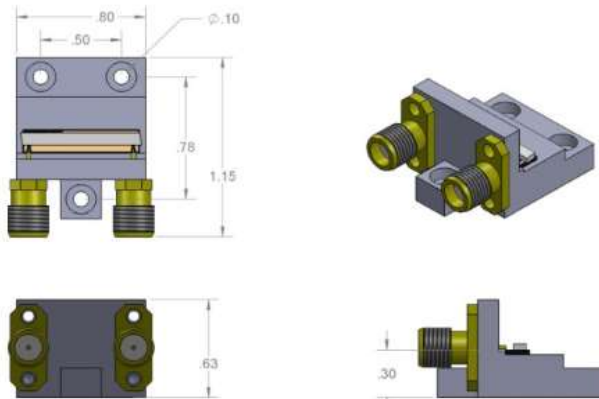
Custom Wavelength Phase Modulator

Wavelength (nm)	3dB Bandwidth (GHz)	V_{π} (V)	Fiber
397			
423			PM400
446		≤ 5	
480			
532			
556			PM480
583			
606		≤ 6	
633	~ 5 or ~ 10		
657			
671			
689		≤ 7	PM650
707			
730			
780			
852		≤ 8	PM850
1064		~ 10	PM980



Broadband Free Space Phase Modulator

Have an application that requires a free space setup, higher optical power, lower loss, or a more compact footprint? Contact AdvR for information on our free space modulators. These units are based on the same KTP waveguides as our fiber coupled units, allowing for the same broadband operation and low V_{π} with the capability of higher power and lower loss.



Dimensions in inches unless otherwise noted