

Features

- Extensive line of low voltage electro-optic light modulators, driver electronics
- High performance, cost effective modulation systems
- The virtual non-existence of piezoelectric resonances
- Design to made full use of the intrinsic driver frequency response
- Use at wavelengths longer than 2000nm
- Three different versions
(signal and continuous information flows, control arbitrary duty cycle digital waveforms)



Modulator Specifications

Model No	350-50	350-80	350-105	350-160	350-210	360-40	360-80	360-120	360-160	370	370LA	380	390
Crystal	KD*P					LTA				ADP			
V 1/2 volts @ 500 nm	455	261	226	130	113	NA	NA	NA	NA	184	263	92	115
830 nm	757	433	376	216	188	312	143	107	71	306	437	153	190
1064nm	NA	522	482	NA		400	183	138	92	NA			
2500nm	NA					NA	430	323	215	NA			
Aperture Diameter (mm)	3.1	2.7	3.1	2.7	3.1	2.7	2.7	2.7	2.7	2.5	3.5	2.5	3.5
Useful Transmission Range (nm)	300 - 1100					700 - 4500		800-4500		300 - 750			
Resonances	YES					YES				NO			
Contrast Ratio @ 633nm	500:1			300:1		NA				500:1			
1064nm	700:1			NA		300:1	200:1		100:1	NA			
Length (mm with Polarizer)	106	137	162	215	268	95	137	174	215	158	158	253	272

Note: All cells are 50mm diameter.

Modulation System

Modulator Model Number	10	25	50	100	200	302	302A	25D
350-50	-	-	-	-	1-200 MHz	DC - 200kHz 875nm	DC-1MHz	-
350-80	-	-	-	-	1-200 MHz	DC - 200kHz 1100nm	DC-1MHz	<8ns,>25MHz 354nm
350-105	-	-	-	-	1-140 MHz	-	DC-1MHz	<8ns,>20MHz 430nm
350-160	DC - 12MHz 460nm	DC - 35MHz 460nm	-	-	1-100 MHz	-	DC-1MHz	<8ns,>20MHz 710nm
350-210	DC - 12MHz 530nm	DC - 30MHz 530nm	DC - 60MHz 400nm	DC - 120MHz 400nm	1-80 MHz	-	DC-1MHz	<8ns,>20MHz 820nm
360-40	-	-	-	-	1-200 MHz	DC - 300kHz 2120nm	DC-1MHz	-
360-80	-	-	-	-	1-200 MHz	DC - 300kHz 4500nm	DC-1MHz	<8ns,>20MHz 1010nm
360-160	DC - 13MHz 1390nm	DC - 40MHz 1390nm	DC - 80MHz 1040nm	DC - 130MHz 1040nm	1-125 MHz	-	DC-1MHz	<8ns,>20MHz 2135nm
360-120	DC - 12MHz 2090nm	DC - 35MHz 2090nm	DC - 60MHz 1575nm	DC - 120MHz 1575nm	1-150 MHz	-	DC-1MHz	<8ns,>10MHz 3235nm
370	-	-	-	-	1-125 MHz	DC - 200kHz 850nm	DC-1MHz	<8ns,>20MHz 505nm
370 LA	-	-	-	-	1-125 MHz	DC - 200kHz 850nm	DC-1MHz	<8ns,>20MHz 355nm
380	DC - 10MHz 650nm	DC - 25MHz 650nm	DC - 50MHz 490nm	DC - 100MHz 490nm	1-80 MHz	-	DC-1MHz	<8ns,>20MHz 80nm (2)
390	DC - 10MHz 520nm	DC - 25MHz 520nm	DC - 50MHz 400nm	DC - 100MHz 400nm	1-80 MHz	-	DC-1MHz	<8ns,>10MHz 810nm