

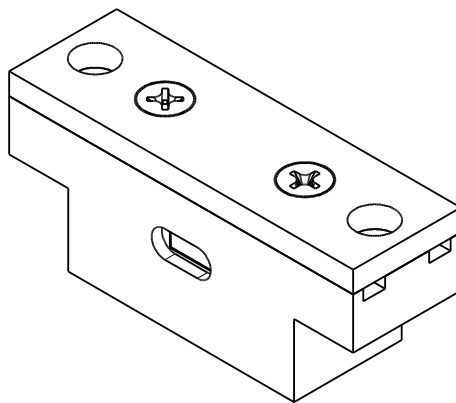


Test Data Sheet

EO-DCL2

S/N:

Non-Resonant electro-optic phase modulator

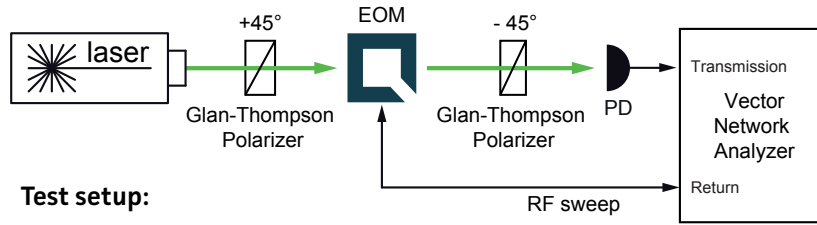


RF properties	Value	Unit
Bandwidth (3dB): $\Delta\nu$	DC ... 50	MHz
$V\pi$ (DC) @ 1160 nm ²⁾	946	V
max. Voltage (DC)	500	V
Capacitive load (DC)	~26	pF

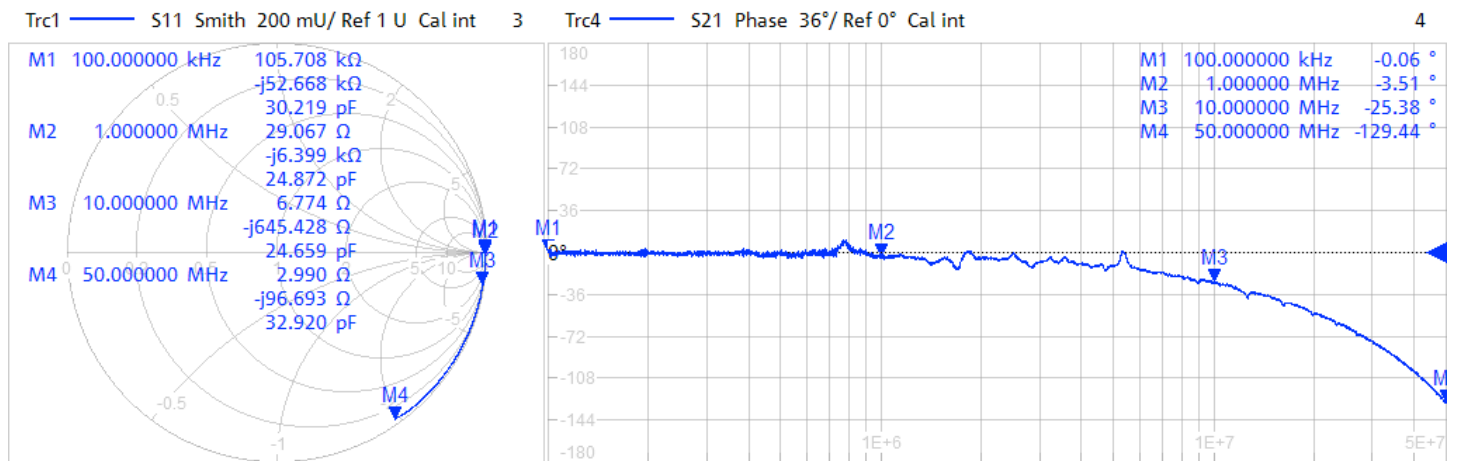
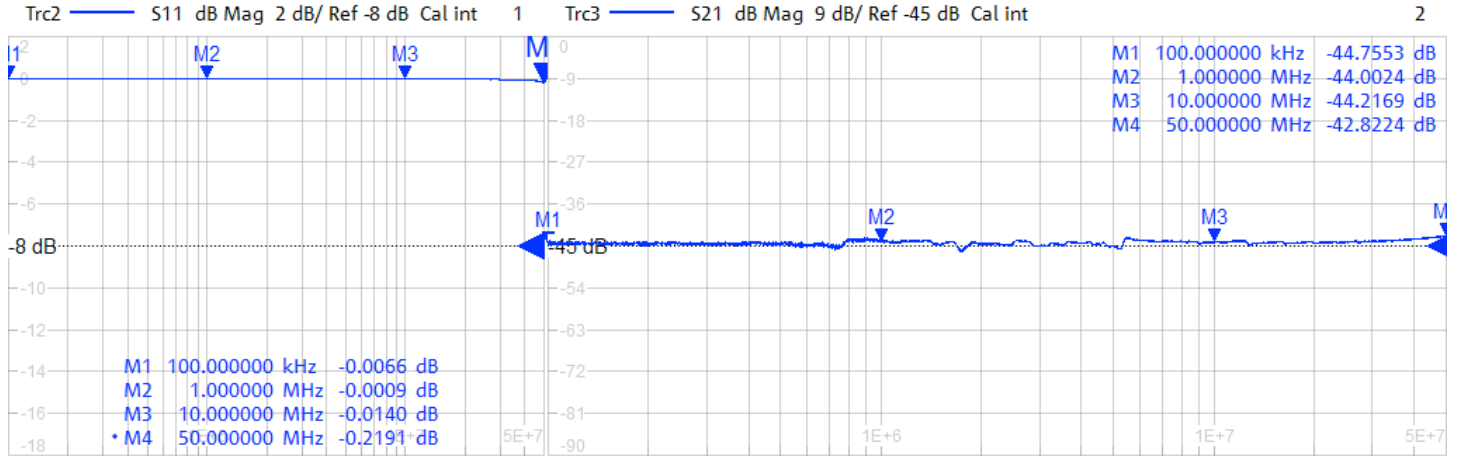
Optical properties		
EO crystal	LN	
Aperture (xz)	4x2	mm ²
Wavefront distortion (633nm)	$\lambda/6$	nm
max. optical intensity (1160nm)	<4	W/mm ²
AR coating (R<1%)	700 - 1200	nm
Transmission (1160nm)	>96	%

¹⁾ at 24.3°C ²⁾ with 50Ω termination ³⁾ no damage with $RF_{in} < 5W$

RF characteristics



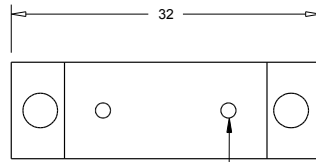
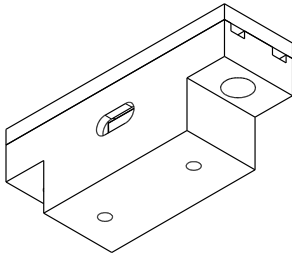
10/12/2015 10:39:08 AM
1328.5170K92-100178-XI



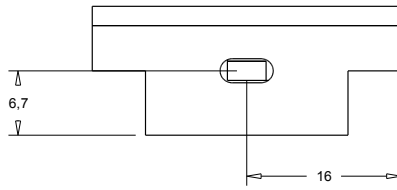
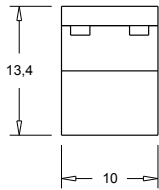
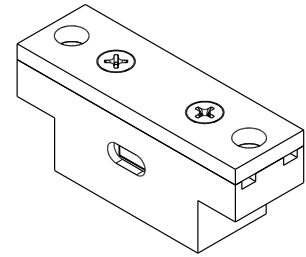
Handling instructions

- Please handle device carefully. Avoid shock. Don't drop.
- Slight angle adjustment can reduce unwanted residual amplitude modulation (RAM)
- For lowest RAM ideally use temperature-control ($dT < 0.01C$)

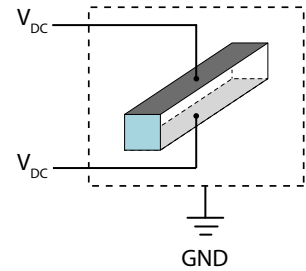
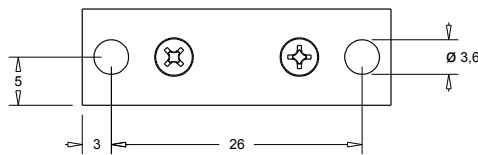
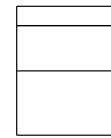
Package drawing



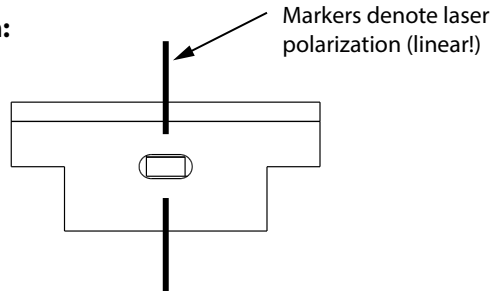
2x M2x0.4 (↓ max. 3mm)



Note: crystal aperture is 2x4mm



Required laser polarisation:



Tested by:

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