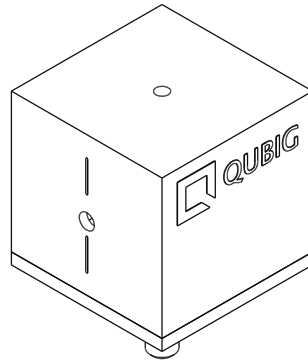


Test Data Sheet

PM7-SWIR1_20

22.1235

Resonant electro-optic phase modulator



RF properties	Value	Unit
Resonance frequency: f_0 ¹⁾	5.0	MHz
Bandwidth: $\Delta\nu$	101	kHz
Quality Factor: Q	8	
Required RF power for 1rad @ 852nm ²⁾	9.3	dBm
max. RF power: RF_{max} ³⁾	0.5	W

Optical properties	Value	Unit
Aperture	3x3	mm ²
Wavefront distortion (633nm)	$\lambda/6$	nm
Recommended optical intensity (852nm)	< 1	W/mm ²
AR coating ($R_{avg} < 1\%$)	630 - 1100	nm

¹⁾25°C ²⁾with 50Ω termination ³⁾no damage with $RF_{in} < 1W$