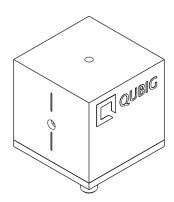
Test Data Sheet

PM7-SWIR1_20

22.1235

Resonant electro-optic phase modulator



RF properties	Value	Unit
Resonance frequency: f_0^{-1}	5.0	MHz
Bandwidth: Δu	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	3×3	mm^2
Wavefront distortion (633nm)	$\lambda/6$	nm
Recommended optical intensity (852nm)	< 1	W/mm^2
AR coating ($R_{avg} < 1\%$)	630 - 1100	nm

 $^{^{1)}25^{\}circ}\text{C}$ $^{2)}\text{with}$ 50Ω termination $^{3)}\text{no}$ damage with RF $_{\text{in}}{<}1\text{W}$