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Angebot: A22.0473 Auftrag: B22.0344 Sales contact: Enrico Vogt Phone: +49 89 2302 9101 E-mail: sales@qubig.com Customer No.: 600210 220575-RL PO-#: PO date: 31.10.2022 00:00:00 VAT No.: IT06109950151

Date: **31.10.2022**

Produktionsauftrag

B22.0344 - Laser Optronic S.r.l. | PO: 220575-RL

Pos. Product & Description Our Article No. Your Article No. Qty.

copied from offer A22.0473 from 2022-09-30

1.0 B22.0344_Pos.1: PM7-NIR_29 +W +T1 | Qty. 1x

A00011

1

Resonant, free-space electro-optic PHASE modulator for NIR Laser applications

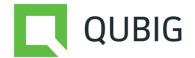
- PM7-series: select fixed resonance frequency within 2 30 MHz
- optimised resonance frequency fo: 29 MHz (+/-0.5MHz std. tol.) | RF bandwidth (-3dB): typ. 1 2% of fo
- RF connector: SMA-f, straight | impedance @ fo: ca. 50 Ohms, return loss (S11): typ. < -10dB
- housing dimensions: 40x40x40mm^3 | mounting: 3x M4 for s- & p- pol.
- user wavelength λo : 1064 nm | crystal aperture: $3x3mm^2$, CA $\geq 90\%$
- BBAR: **630 1100 nm** (R_avg < 1%, T_avg > 95%) | wavefront distortion (WFD): $< \lambda/6$ (633nm)
- max. recommended laser intensity @ λo: ca. 2 W/mm^2 | Laser insertion loss (LIL) @ λo: < 3 %
- modulation efficiency @ (1rad, fo, λο): typ. (20 +/-1) dBm | max. RF power: ca. 0.5W
- applications: Laser Frequency Stabilisation LFS (PDH, FM/MTS)
- CoO: GERMANY, HS code: 90139080, RoHS compliant, net weight: 0.125kg

1.1 +W A00203 -

Crystal Wedge option:

- function/purpose: RAM suppression caused by e.g. polarisation misalignment & etalon effects
- Ref.: Vol. 41, No. 14 / July 15 2016 / Optics Letters 3331
- number of wedged facets: 1 (one) \mid wedge angle: 4° \mid anti reflection coating as stated above

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Pos.	Product & Description	Our Article No. Your A	Article No.	Qty.
1.2	+T1	A00205	-	1
	Tuning option: - function/purpose: manual adjustment (set&forget) of the EOM's resonance frequency: - tuning range: ca. fo +/- 10% tuning tool included - Note: this option reduces the modulation efficiency by: 1-2dB			
2.0	B22.0344_Pos.2: Shipping & Packaging Qty. 1x	A01174	-	

Shipping date: Donnerstag, 10. November 2022

1 Parcel: 30x20x12cm^3, VW=1.5kg