QUBIG

Empowering Laser Technologies

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Angebot:	**A22.0449**
Auftrag:	**B22.0325**
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PO-Datum:	12.10.2022 00:00:00
USt.-ID:	DE 811231089
Datum:	**17.10.2022**

Produktionsauftrag

B22.0325 - Humboldt-Universität zu Berlin | PO: 3400020729

Pos.	Produkt & Beschreibung	Artikel Nr.	Ihre Artikel Nr.	Menge

übernommen aus Angebot A22.0449 vom 18.09.2022

1.0	**B22.0325_Pos.1: PM7-VIS_30 +T1 | Qty. 1x**	**A00010**	**-**	**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: **30 MHz** (+/-0.5 MHz 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**: **461 nm** | crystal aperture: **3x3mm^2**, CA ≥ 90%
- BBAR: **630 - 1100 nm** (Ravg < 1%, Tavg > 95%) | wavefront distortion (WFD): < **λ/6** (633nm)
- max. recommended laser intensity @ λo: ca. **1 W/mm^2** | Laser insertion loss (LIL) @ λo: < **3 %**
- modulation efficiency @ (1rad, fo, λo): typ. **(12 +/-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	+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	**B22.0325_Pos.2: Verpackungs- & Versandkosten | Qty. 1x**	**A01160**	**-**	

1 Paket: 20x12x10cm^3, 0.5kg, VG=0.5kg | nicht rabattfähig

Versanddatum: Donnerstag, 3. November 2022