

QUBIG GmbH | Balanstr. 57 | 81541 Munich | Germany

Laser Optronic S.r.l.

Ing. Andrea Carpi
Via B. Quaranta, 57
20139 Milan
ITALY

Angebot: **A22.0473**
Auftrag: **B22.0344**
Sales contact: Enrico Vogt
Phone: +49 89 2302 9101
E-mail: sales@qubig.com
Customer No.: 600210
PO-#: 220575-RL
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 λ_o : **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 @ λ_o : ca. **2 W/mm^2** | Laser insertion loss (LIL) @ λ_o : < **3 %**
- modulation efficiency @ (1rad, fo, λ_o): 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** - **1**

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) | wedge angle: 4° | anti reflection coating as stated above

Continued on next page ...

Document number: A22.0473

Pos.	Product & Description	Our Article No.	Your Article No.	Qty.
1.2	+T1 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	A00205	-	1
2.0	B22.0344_Pos.2: Shipping & Packaging Qty. 1x 1 Parcel: 30x20x12cm^3, VW=1.5kg	A01174	-	

Shipping date: Donnerstag, 10. November 2022