1 MHz Flow Meter Transducer



Model: MPYA

P/N: H2KMPYA1000600



Unictron's transducer is applied for 1MHz ultrasonic liquid flow meter. The housing of transducer can provide excellent resistance to solvent as well as in the acid/base environment. The transducer features a high sensitivity and longer life time of operation with low temperature drift.

Features

High sensitivity

Low temperature drift

Excellent resistance to solvent and acid or base environment

| Specifications | | |
|-----------------------------|-----------|--------------|
| Operation Frequency | 1 | MHz |
| Capacitance (@ 1 kHz) | 1.2 ± 20% | nF |
| Sensitivity dB * | -28 min | dB |
| Beam angle(-3dB full angle) | 5 | Degree |
| Operation voltage | 50 max | Vpp |
| Operation temperature | +4 ~ +80 | $^{\circ}$ C |
| Storage temperature | -10 ~ +80 | $^{\circ}$ C |

^{*} Applied voltage Vpp=3.3V,sine wave, 20 cycles burst, Water level 10cm, Water temperature 25° C

Sensitivity measurement diagram

Flow meter transducer 1 Flow meter transducer 2 Flow meter transducer 2→1 Flow meter transducer 1→2 △T=T2-T1

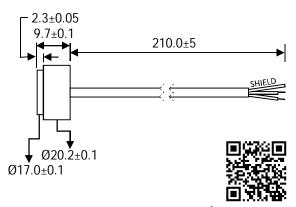
Dimensions

Housing material: PPS

Wire: AWM 2547 80C 300V VW-1 28AWG

Sealing Glue: PU

Unit: mm



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