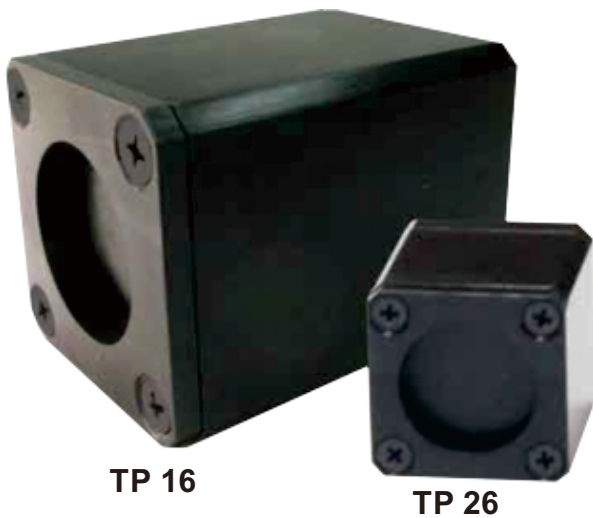


Underwater Projectors

New-generation Single Crystal Projectors

Compact Tonpiliz and Direct Drive (CDD) underwater projectors of broad to Ultra-Broad (CUB) bandwidth, driven by transverse-mode PZN-PT single crystal.



TP 16

TP 26

Key Features

- Compact
- Broadband / Ultra-broadband
- High source level
- Excellent power efficiency
- Array Customization available

Applications

- AUV / UUV
- Detection of Buried Objects
- Insonify Objects

Performance characteristics at a glance

Product Number	TP 16	TP 26
Compact	24mm thickness for bare element	20mm thickness for bare element
Broadband operating range	12 - 52 kHz	20 - 80 kHz
Power Efficient	< 20W kHz per element	< 20W kHz per element
Source Level	≥ 180 dB	≥ 180 dB

Array Customization Available



Please contact us for other details and customized products.

Mircofine reserves the right to change specifications without notice.
Please see back page for Acoustical Measurement plots.



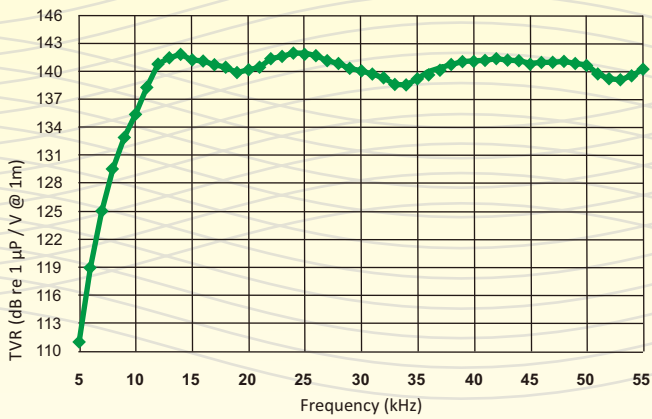
Microfine Materials Technologies Pte Ltd

10 Bukit Batok Crescent, #06-02, The Spire Singapore 658079
Tel : +65 6264 0112 Website : www.microfine-piezo.com

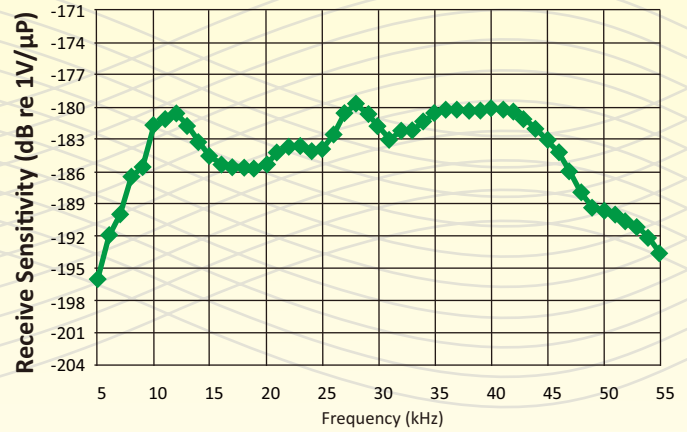
Please contact us for other details.

All Enquiries:
sales@microfine-piezo.com

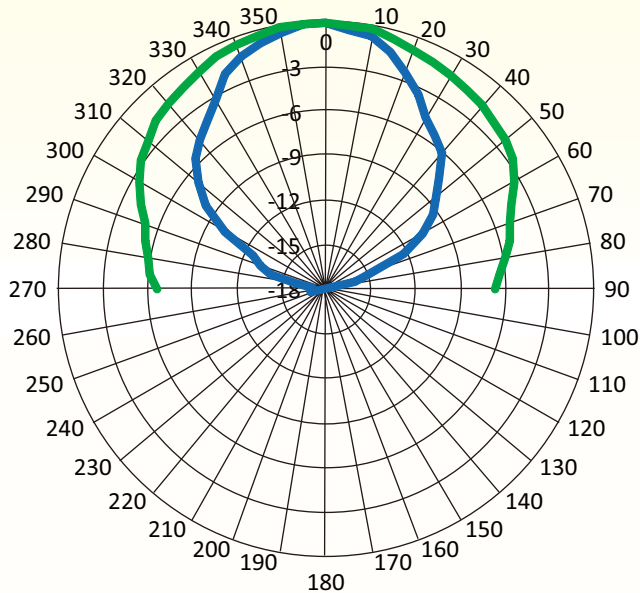
Transmit Voltage Response



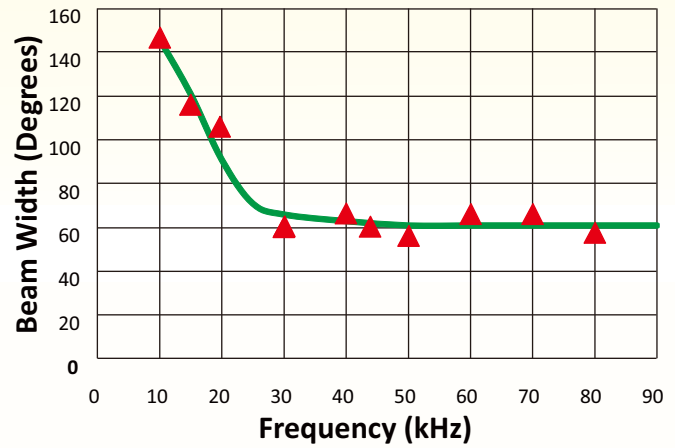
Receive Sensitivity



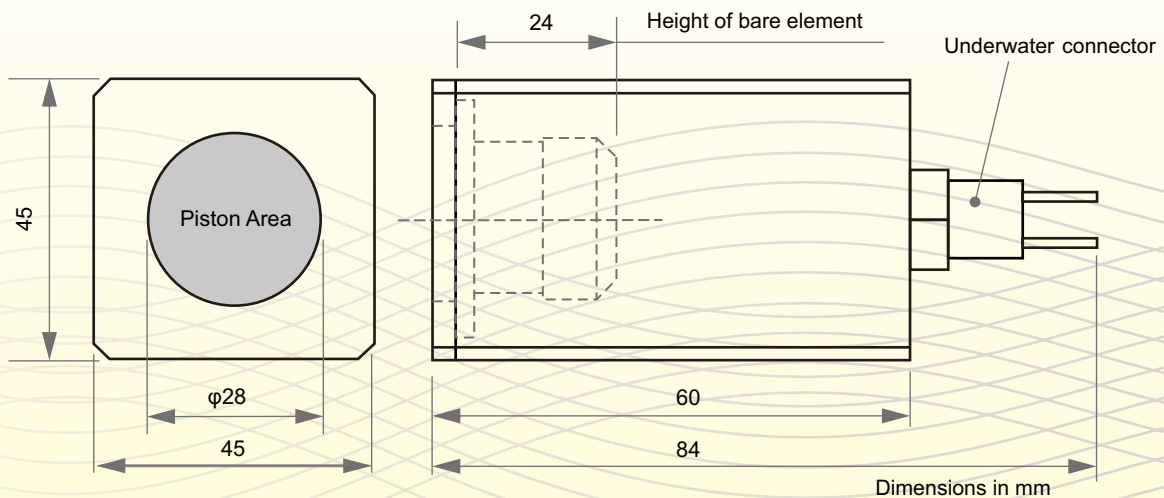
Vertical Beam Pattern @ 15 kHz (green) & @ 30 kHz (blue)



Vertical Beam Width vs Frequency



SCHEMATIC DRAWING OF PACKAGED PROJECTOR



Please contact us for dimensions of customized TP16 arrays.

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