

Healthcare

Ultrasound Digital Transmit Pulsers



Better Image Quality, Downsizing, and Cost Reduction
with ABLIC Ultrasound High-Voltage Digital Transmit Pulsers

Key Features

translators, MOSFET gate drive buffers, and high-voltage high-current P-channel and N-channel MOSFETs.

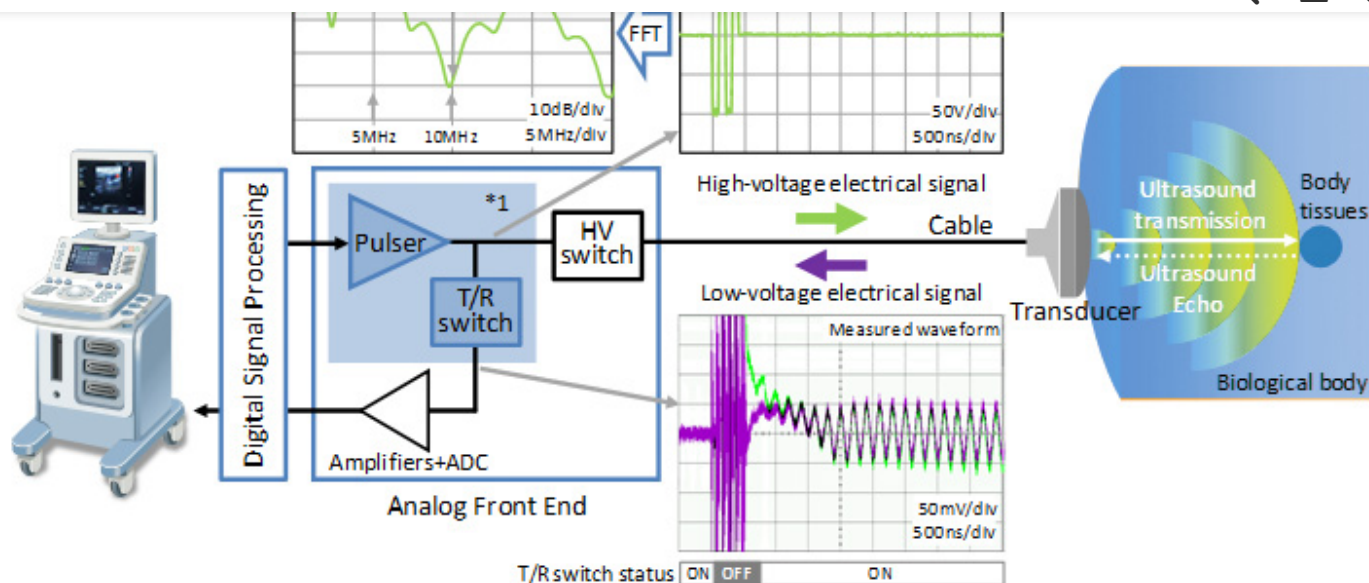
Besides, T/R-switches, active ground clamps, floating power supplies, output HV blocking diodes, output HV clamp diodes, noise-cut diodes, active output termination, power-on reset function, thermal protection, waveform memory, and delay calculator are incorporated depending on products (*1).

Well-matched positive and negative pulses for better image quality

Well-matched output impedance and current of P-channel and N-channel MOSFETs, and active ground clamps result in excellent positive and negative-onset pulse matching and low harmonic distortion (*2).

Active output termination working with active ground clamps improves isolation performance in receive period.

Synchronizing data with a clock signal improves output jitter performance and channel-to-channel delay mismatch.



Applications

- Medical Ultrasound Imaging
- Piezoelectric Transducer Drivers
- Flaw Detection
- Pulse Waveform Generator

Selection table

Ultrasound Digital Transmit Pulser

For details, please [contact our sales representatives](#).

Search





HDL6V5583	8	3	±100	±1.8	±1.0	-
HDL6V5583E	8	3	±100	±1.8	±1.0	-
HDL6V5541	4	5	±100	±2.0	±1.0	10
HDL6M05543	4	5	±100	±2.0	±2.0	10
HDL6M05584	8	3	±100	±2.0	±1.0	10
HDL6M05585	8	5	±100	±1.6	±1.6	10
HDL6M05586	8	5	±100	±1.6	±1.6	10

SUPPORT

Support / Contact Us



Package



NRND / No Longer Available



Information / Tools



Contact us



Global Sales Offices

[Search](#)[Picks](#)[What is ?](#)[What is Functional Safety?](#)[Webshop](#)
Online Samples

ABLIC Inc. - A specialized manufacturer of analog semiconductors

[News](#)[Products](#)[Healthcare](#)[Support](#)[Corporate Profile](#) [English](#)[Website Use Terms and Conditions](#)[Privacy Policy](#)[Web Site Privacy Policy](#)

© 2016-2020 ABLIC Inc.

