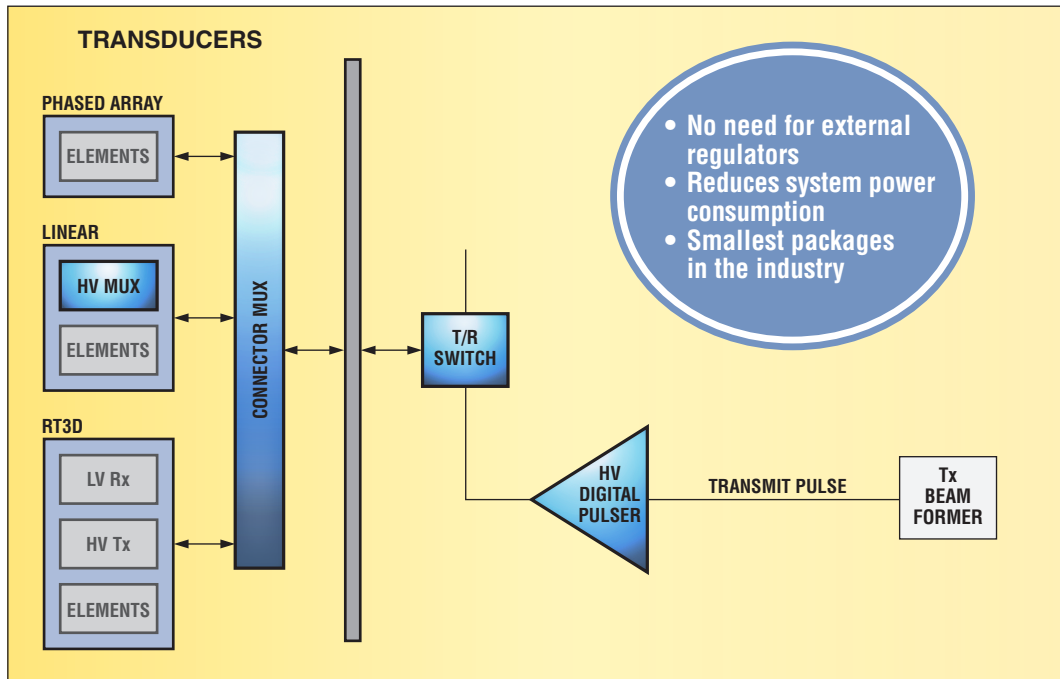


# High-voltage integrated pulsers and switches save space and reduce power consumption



Ideal for portable ultrasound equipment applications



## Improvements over the competition

### Quad-channel, high-voltage, 2.0A digital pulsers (MAX4940/MAX4940A)

- Integrated active clamps minimize 2nd harmonic distortion and reduce power consumption by 66% vs. HDL6V5581
- Capacitive architecture eliminates need for large, costly floating regulators and complex power sequencing
- AC-coupled architecture reduces overall footprint by up to 45% vs. HDL6V5581
- Five-level pulsing with active damping (MAX4940A) enables transmission for complex systems

### 16-channel, high-voltage switches (MAX14800\*/MAX14801\*/MAX14802/MAX14803)

- Ultra-small, 7mm x 7mm CSBGA package saves board space
- Integrated overvoltage protection diodes prevent damage caused by high-voltage overshoots (MAX14802/MAX14803)
- Designed with larger, high-voltage supply range for better linearity
- 33% faster turn-on/off times provide fast frame rates for improved imaging

\*Future product—contact factory for availability.

[www.maxim-ic.com/Ultrasound-info](http://www.maxim-ic.com/Ultrasound-info)



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