



eBOOK

**WE PUSHED THE BOUNDARIES SO YOU CAN
CREATE THE FUTURE**

APTIV DBX™ FILMS
FOR ADVANCED PERFORMANCE IN
NEXT-GENERATION MICRO SPEAKERS



WE FOCUS ON WHAT MATTERS TO YOU, SO YOU CAN DO THE SAME FOR YOUR CUSTOMERS.

INTRODUCING THE NEW APTIV DBX™ FILMS:

With our tightest thickness tolerance to date, APTIV DBX is specifically designed for the micro speaker industry. Improved consistency, higher yield and greater confidence are all within reach.

APTIV™ FILM IS ALREADY A PROVEN SOLUTION FOR THE MICRO SPEAKER INDUSTRY.



4+ billion mobile devices have used APTIV film



Durability and reliability in the most demanding environments



High performing VICTREX™ PEEK polymer benefits in a thin format

WE'RE THE #1 PEEK EXPERTS, COMMITTED TO CONTINUOUS IMPROVEMENT.

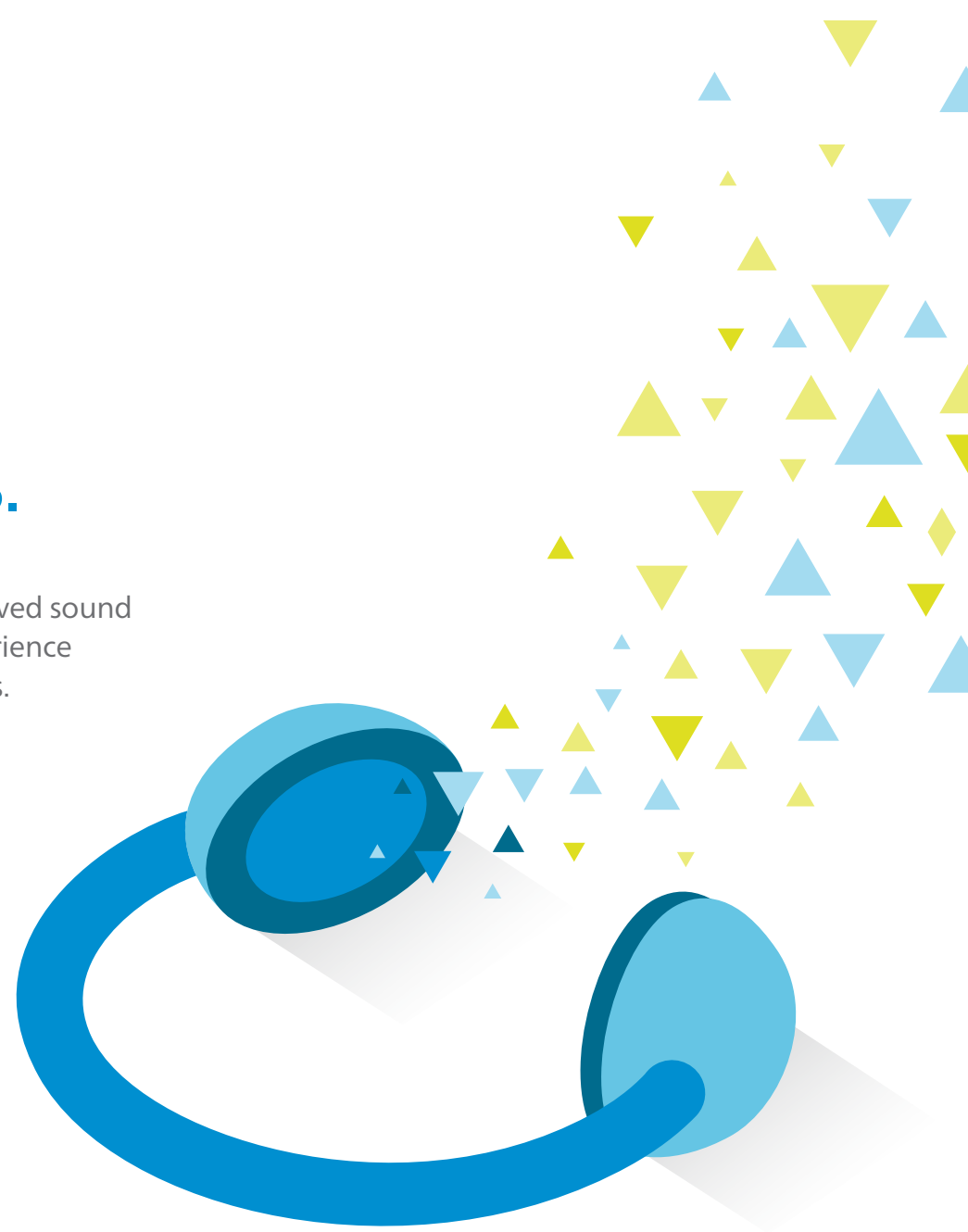
As a result of our close work with partners and industry leaders as well as our investment in R&D, we can continuously address challenges and drive innovation.

APTIV DBX™: MADE FOR THE MOST DEMANDING MICRO SPEAKER DESIGNS.

Portable consumer electronics are trending towards improved sound quality, clarity and performance, with enhanced user experience in lighter, more feature-packed devices in new form factors.

To satisfy these demands and improve consumers' satisfaction with their devices, more design engineers are turning to high performing materials including Victrex APTIV Film solutions to achieve the optimal combination of reliability, acoustic quality and compact design.

We've pushed the limits of tolerance and quality to produce APTIV DBX, premium films with our tightest thickness tolerances yet, which will contribute to giving you the confidence to achieve cutting-edge designs.



BETTER YIELD. MORE CONFIDENCE.

When expectations are high, consistency is key. We pushed ourselves to meet the demanding specification for micro speaker designs and do so time after time.



In my opinion tighter thickness tolerances will give a speaker builder not only better yield, but also the ability to sell products to top brands - and achieve a premium in the market.

Guangbin Shi

Former Audio Engineer at ZTE- a major Chinese handset OEM.

MICRO SPEAKER DESIGN AND PRODUCTION - EVERY STEP MATTERS



ACOUSTIC BENEFITS

Thickness consistency at the sub-micron level should enable you to achieve a more reproducible F0 whilst minimising THD.



DESIGN BENEFITS

Tighter thickness tolerance of APTIV DBX™ films can help ensure your vision can be realized.



MANUFACTURING BENEFITS

Consistency should mean higher yields, fewer defects and lower costs.

YOUR NEXT STEPS WITH VICTREX

START EVERY PROJECT WITH CONFIDENCE.

As one of the highest performing thin film engineering thermoplastics in the world (available in 3,4,5 and 6 microns), we believe APTIV DBX™ can take your micro speaker design to the next level.

With over 40 years of shaping future performance, we can help you reach your full potential and contribute to bringing consistency, creativity and confidence to your speakers.

Follow us on social media!



www.victrex.com/electronics

Supporting information is available on request for all claims referenced



For detailed information on enhancing your design, contact electronics@victrex.com or visit victrex.com/electronics to discover even more benefits.



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