



THIN FILM DEVICES FOR MEDICAL PRODUCTS



Fully Customizable Designs

The thin film process allows for geometries to change for parts to fit the needs of the circuit



Wide Range of Termination Types

Across our product lines are many terminations that can work with medical devices, including surface mount solderable and wirebonable terminations



Non-Magnetic Options Available

In circuits where magnetics could be a challenge, there are non-magnetic varieties available



Repeatable Performance Driven

Our resistors can be trimmed to value with repeatable TCR across the entire production wafer—resistors can be trimmed to match values with others on the same circuit

GENERAL OVERVIEW

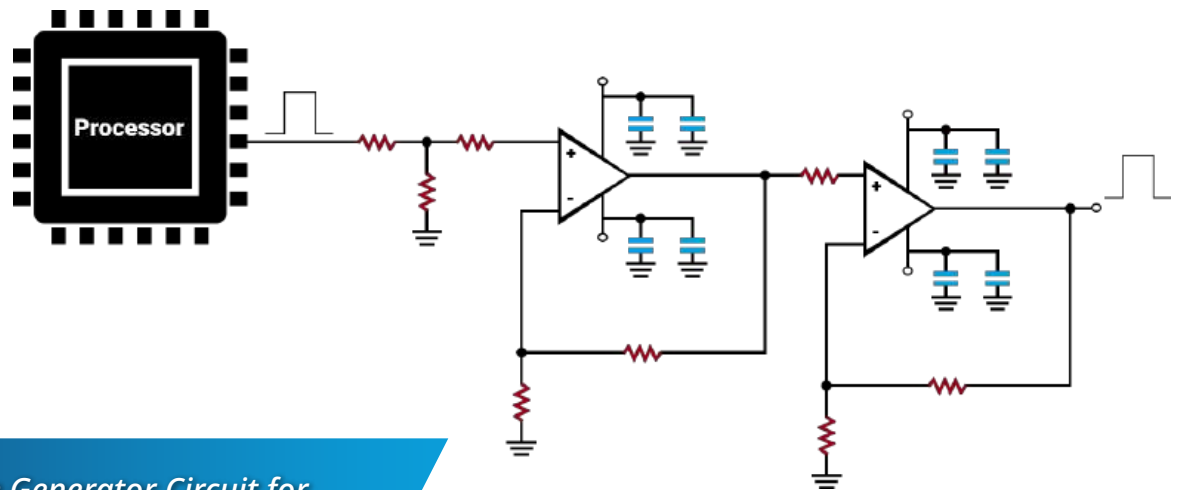
The medical community encompasses a broad range of applications, each with distinct performance requirements and design constraints. Medical devices vary widely in size, shape, and function, each carrying unique requirements based on its intended application, criticality, and operating environment within modern healthcare.

KYOCERA AVX's thin film product line is exceptionally well suited to address these challenges. With extensive customization options in size, geometry, terminations, and material systems, KYOCERA AVX thin film components can be precisely tailored to meet the unique needs of diverse medical devices. This design flexibility, combined with a rigorous zero-defect manufacturing philosophy, enables reliable performance in the most demanding and critical medical applications—upholding the trusted quality and consistency associated with the KYOCERA AVX name.

Our products are ideal for all medical environments from precious life saving equipment to implantable devices.



WHAT KYOCERA AVX BRINGS TO THE TABLE FOR **MEDICAL PRODUCTS**



Example of a Pulse Generator Circuit for a Pace Maker, showing ideal placement for KYOCERA AVX Thin Film Components.

MEDICAL PRODUCTS

Here at KYOCERA AVX, technological innovation is and will remain a driver within the medical market as it only continues to grow. Our Engineered Thin Film Solutions Division offers build-to-print, custom designed, and standard offering passive devices to all of our customers in need of precision thin film solutions.

KYOCERA AVX wants to engage with your design team in a consultative role to help create a simple yet elegant design. Our goal is to provide you with the best possible solution whether that is helping choose a standard product or a custom solution.



ACCU-L
SERIES



CUSTOM
THIN FILM



GAIN
EQUALIZER (RCN)



HIGH RELIABILITY
RESISTORS (HR)



ACCU-P
SERIES



MOS
CAPACITORS



SINGLE LAYER
CAPACITORS (SLC)



THERMAL
CONDUCTORS (QB)



THIN FILM
RESISTOR NETWORKS



TRANSMISSION LINE
CAPACITORS (MV)



ULTRA BROADBAND
RESISTORS (UBR)



WIRE BONDABLE
RESISTORS (WBR)