





THICK FILM

Thick-film applications or printed circuit resistors are applications of resistive, dielectric and/or conductive pastes on a wide range of substrates (FR, CEM, alumina, plastic, polyester), according to a customized design.

The main benefits of ACP's thick film applications over a regular potentiometer are space savings on boards, increased reliability and total customization of the resistor. ACP has developed its own resistive, conductive and dielectric pastes and has tested them in different substrates. As a result, our knowledge on thick film technology can produce elements with special linearity, long life or very narrow tolerances, according to customers' requests. ACP has a type C (class 10.000) clean room and laser trimming capabilities which allow us to engage in the most complex thick-film projects.

Some features

Resistive element	From 10 Ω to 1M Ω per square
Tolerance	Higher than 1%
Mechanical Life	On request. From 10.000cycles to millions
Substrates	PET, Plastic, Alumina, CEM, FR, etc

Applications

- Automotive: position control and sensing (HVAC, headlight leveling, dimmer, seat heating and position).
- Household appliances: position sensor, selection of functions.

How to order

As it is a customized product, please, contact your nearest ACP distributor or agent.

A drawing with dimensions, electrical use, application and other significant data will be requested.