

■ Features

- RUSUB™ technology provides single-layer capacitor and thin film resistor formed in one chip. It reduces not only numbers of parts to build a device, but also the assembly costs. It will also contribute to make a device smaller.
- The single-layer structure makes its self-resonant frequency higher. It allows the devices to operate stable even at a high frequency range.
- Short distance between the capacitor and thin film resistor makes the residue inductance smaller and it contributes to attenuate unnecessary noise. So the device can work at its best characteristics.

- Since it has gold electrode, it is feasible to be installed inside a module, and it allows wire-bonding with gold wire.
- AuSn pre-coating finish is also available.
- It is very suitable for APD (Avalanche Photo Diode), because the capacitor has withstanding voltage of 100V.

■ Main Application

- Low pass filter for power supply of PD (Photo Diode).
- Low pass filter for power supply of TIA (Transimpedance Amp. = Pre Amp.).