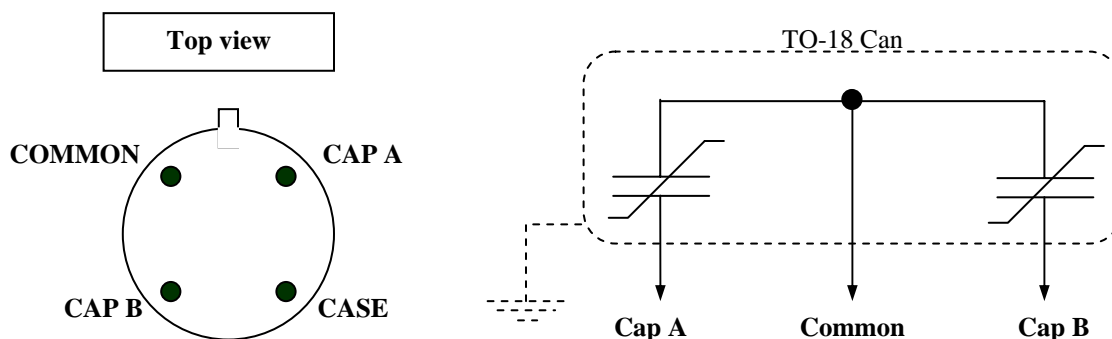


Type AB Dual Ferroelectric Capacitors in Package

Date: November 7, 2008

Summary:

The Type AB package contains two identical 20/80 PZT capacitors. Each die is packaged in a four-lead TO-18 header. One package lead connects to the case and is labeled GND. The two capacitors share a single COMMON but have separate leads for their other electrodes. The COMMON lead connects to their bottom electrodes.



Temperature Range: -55°C to 125°C. Do not exceed 125°C.

Maximum Test Voltages: Type AB => 9.9V

Part Number:

“AB” => Die RC2-AAA 2550Å thick undoped 20/80 PZT

Capacitor Size:

Blue	100,000 μ^2
Orange	40,000 μ^2
White	10,000 μ^2
Yellow	4,000 μ^2
Black	1,000 μ^2
Red	400 μ^2
Green	100 μ^2

Total PZT Lead Content per Die:

Type AB => 1.7 micrograms

Recovery: The platinum electroded capacitors are prone to fatigue and imprint. They are tested at their saturation voltage at packaging and may be imprinted when received. As well, they will imprint at room temperature after use. There is a recovery procedure that will fully recover the capacitor from imprint. The recovery procedure will recover some but not all fatigue loss. The recovery procedure may be executed multiple times on a capacitor. To recover a Type AB capacitor, execute a 9V square wave at 1Hz for 100s on each capacitor at room temperature.

EDU Compatibility: The EDU can test Type AB capacitors of 10,000 μ^2 area or less. All other Radiant testers can test all Type AB capacitors regardless of area.