

## **Capacitors Introduction**

Capacitors are manufactured in a variety of styles. Each uses different construction materials and exhibits different functional characteristics. No one style has all the superior attributes over any other, and some are better for particular applications. The capacitors in this section are divided into several major categories and different styles, as illustrated in Figure 1 of the Capacitor Packaging section. Derating factors vary substantially because each style has different failure mechanisms.

The various Capacitor sections present general comparison information between all capacitor styles, and the capacitor Derating section present specific derating and application information for each capacitor category. Detailed information is available from capacitor manufacturers and MIL-HDBK-198.