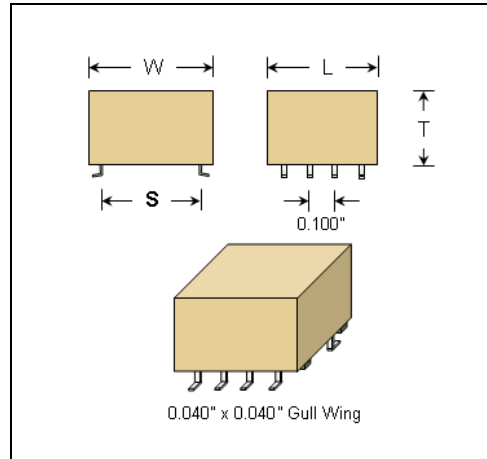
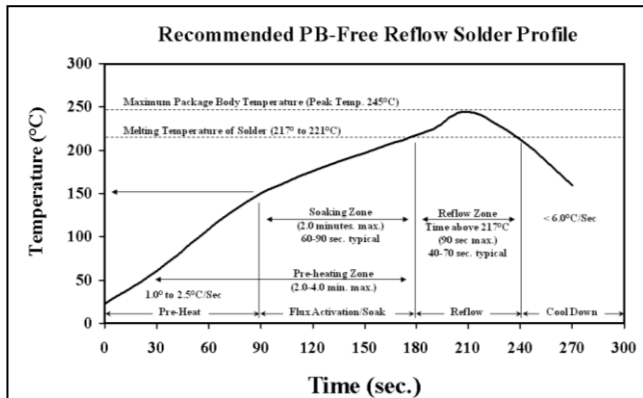


PRODUCT SPECIFICATION SHEET

ITW Paktron Part Number: 474K500CB6G-FS

- Construction: Non-inductively constructed with metallized polyester dielectric (Polyethylene terephthalate).
 Parallel plate - multilayer film.
 Electrode: Aluminum metallization
- Enclosure: UL94V-0 rated, pre-molded shell
- Capacitance: 0.47 $\mu\text{F} \pm 10\%$
- Rated Voltage: 500 VDC
- Marking: ITW, type, capacitance code, tolerance code, voltage and Date Code (YY WW).
- Packaging: Tape & Reel, Tubed
 Dry packed – MSL 4



- L max = 0.625" Max (15.88mm)
- T max = 0.460" Max (11.68mm)
- W max = 0.700" Max (17.78mm)
- S = 0.600" \pm .020" (15.24mm \pm 0.5mm)
- Lead Frame = 0.10 x 0.20" \pm .005"
- Gull Wing = 0.040" \pm .02 leg x 0.040" \pm .01 foot
- Lead Plating = 100% Sn with nickel underplating

Electrical	Environmental
Capacitance Value: 0.47 $\mu\text{F} \pm 10\%$ Rated Voltage: 500 vdc Dissipation Factor: $\leq 1.0\%$ @ 25°C, 1KHz Insulation Resistance: ≥ 1000 Megohms x μF @ 100 vdc Dielectric Strength: 650 VDC for 2 seconds max. Temperature Range: -55°C to 125°C ESR: 11.0 milliohms @ 500 KHz RMS Current: 6.2 amps @ 500 KHz	DC Life: 1,000 Hours, 85°C, 1.25 x Rated VDC $\Delta C/C \leq 5\%$ DF $\leq 1.0\%$, 1KHz, 25°C IR ≥ 1000 Megohms x μF Moisture: 85°C / 85% RH / 21 days $\Delta C/C < 7\%$ DF $\leq 1.0\%$, 1kHz, 25°C IR $\geq 30\%$ of initial limit Long Term Stability: After 2 years storage, standard environment $\Delta C/C \leq 2\%$
Mechanical	RoHS
Vibration: Mil Std 202 Method 204D Peak Reflow: 245°C max. Reflow Zone: $> 217^\circ\text{C}$, 90 Sec. max. Solder Resistance: 245°C, 30 Sec. $\Delta C/C \leq 2\%$	Categorized RoHS-6: RoHS-6 means that the component's content of six RoHS banned materials (Pb, Hg, CrVI, Cd, PBB and PBDE) is under the industry's defined limits. Component lead wires are plated with 100% Sn. Customer assumes all responsibility for the application suitability of products with 100% Sn secondary interconnects.