



PRODUCT SPECIFICATION SHEET

ITW Paktron Part Number: 405K100CB4G-FS, 475K100CB4G-FS, 106K100CB4G-FS

Construction: Non-inductively constructed with metallized polyester dielectric (Polyethylene terephthalate).
 Parallel plate - multilayer film.
 Electrode: Aluminum metallization

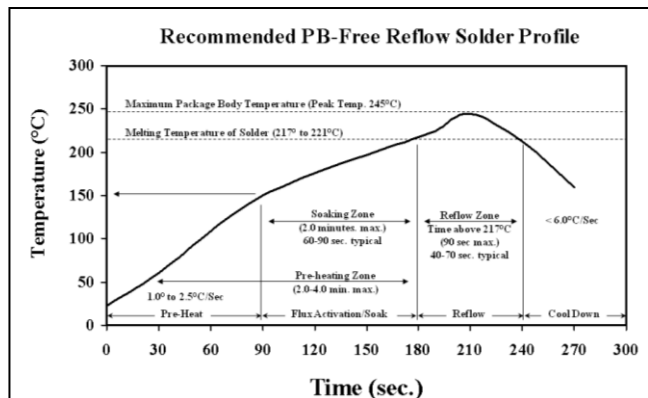
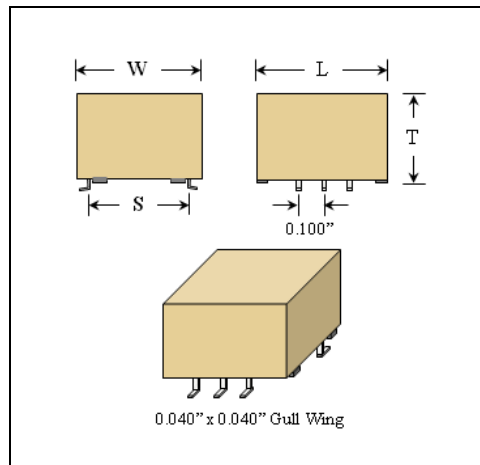
Enclosure: UL94V-0 rated, pre-molded shell

Capacitance: 4.0, 4.7 and 10.0 $\mu\text{F} \pm 10\%$

Rated Voltage: 100 VDC

Marking: ITW, type, capacitance code, tolerance code, voltage and Date Code (YY WW).

Packaging: Tape & Reel – 250 pcs/reel
 Dry packed – MSL 4



Cap	L max	# Leads
4.0 μF	0.525" (13.3mm)	3
4.7 μF	0.525" (13.3mm)	3
10.0 μF	0.995" (25.3mm)	7

T max = 0.350" (8.89mm)
 W max = 0.500" (12.7mm)
 S = 0.400" \pm .020" (10.16mm \pm 0.5mm)
 Lead Frame = 0.10 (T) x 0.20" (W) \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:	4.0, 4.7 and 10.0 $\mu\text{F} \pm 10\%$	DC Life:	1,000 Hours, 85°C, 1.25 \times Rated VDC
Rated Voltage:	100 vdc	$\Delta C/C \leq 5\%$	
Dissipation Factor:	$\leq 1.0\%$ @ 25°C, 1KHz	DF $\leq 1.0\%$, 1KHz, 25°C	
Insulation Resistance:	≥ 1000 Megohms x μF @ 10 vdc	IR ≥ 1000 Megohms x μF	
Dielectric Strength:	130 VDC for 2 seconds max.	Moisture: 85°C / 85% RH / 21 days	
Temperature Range:	-55°C to 125°C, derate voltage 1.25% / °C above 85°C	$\Delta C/C < 7\%$	
		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	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.	
Peak Reflow:	245°C max.	Customer assumes all responsibility for the application suitability of products with 100% Sn secondary interconnects.	
Reflow Zone:	> 217°C, 90 Sec. max.		
Solder Resistance:	245°C, 30 Sec. $\Delta C/C \leq 2\%$		