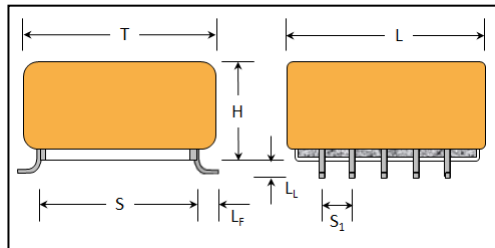
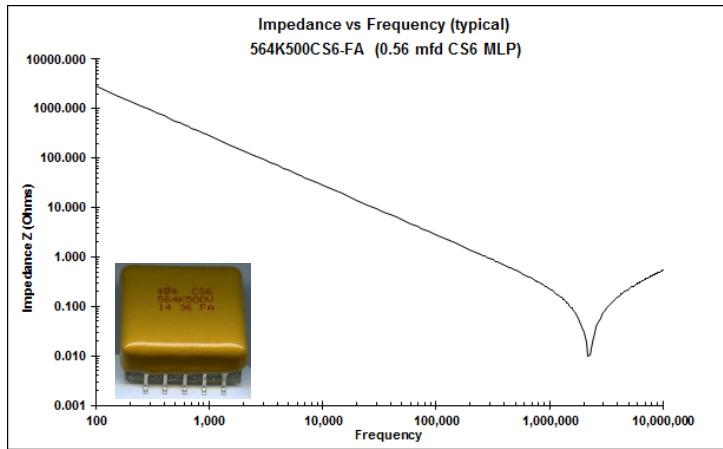


PRODUCT SPECIFICATION SHEET

Paktron Part Number: 564K500CS6-FA

- Construction: Non-inductively constructed with metallized polyester dielectric (Polyethylene terephthalate).
Parallel plate - multilayer film.
Electrode: Aluminum metallization
- Enclosure: Open frame with UL94 V-0 flame retardant epoxy coating
- Capacitance: 0.56 μ F \pm 10%
- Rated Voltage: 500 VDC
- Marking: Logo, type, capacitance code, tolerance code, voltage and date code.
- Packaging: Anti-static tube packed



L max = 0.720" Max (18.29mm)
T max = 0.700" Max (17.78mm)
H max = 0.320" Max (8.13mm)
S = 0.600" \pm .020" (15.24mm \pm 0.5mm)
S₁ = 0.100" \pm .005" (2.54mm \pm 0.127mm)
Lead Frame = 0.10 x 0.20" \pm .005"
Lead Plating = 100% Sn with nickel underplating
L₁ = 0.040" \pm .020"
L_F = 0.040" \pm .010"
Surface Mount Gull Wing lead configuration

Electrical		Environmental	
Capacitance Value:	0.56 μ F \pm 10%	DC Life:	1,000 Hours, 85°C, 1.25 \times Rated VDC Δ C/C \leq 5%
Rated Voltage:	500 vdc		DF \leq 1.0%, 1KHz, 25°C IR \geq 1000 Megohms \times μ F
Dissipation Factor:	\leq 1.0 % @ 25°C, 1KHz	Moisture:	85°C / 85% RH / 21 days Δ C/C \leq 7%
Insulation Resistance:	\geq 1000 Megohms		DF \leq 1.0%, 1kHz, 25°C IR \geq 30% of initial limit
Dielectric Strength:	650 VDC for 2 seconds max.	Long Term Stability:	After 2 years storage, standard environment Δ C/C \leq 2%
Temperature Range:	-55°C to 125°C		
ESR:	\leq 10.0 milliohms @ 500 KHz		
RMS Current (max):	6.9 amps @ 500 KHz		
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 are plated with 100% Sn.	
Solder Resistance:	SMD 220°C, 30 Sec. Δ C/C \leq 2%	Customer assumes all responsibility for the application suitability of products with 100% Sn secondary interconnects.	