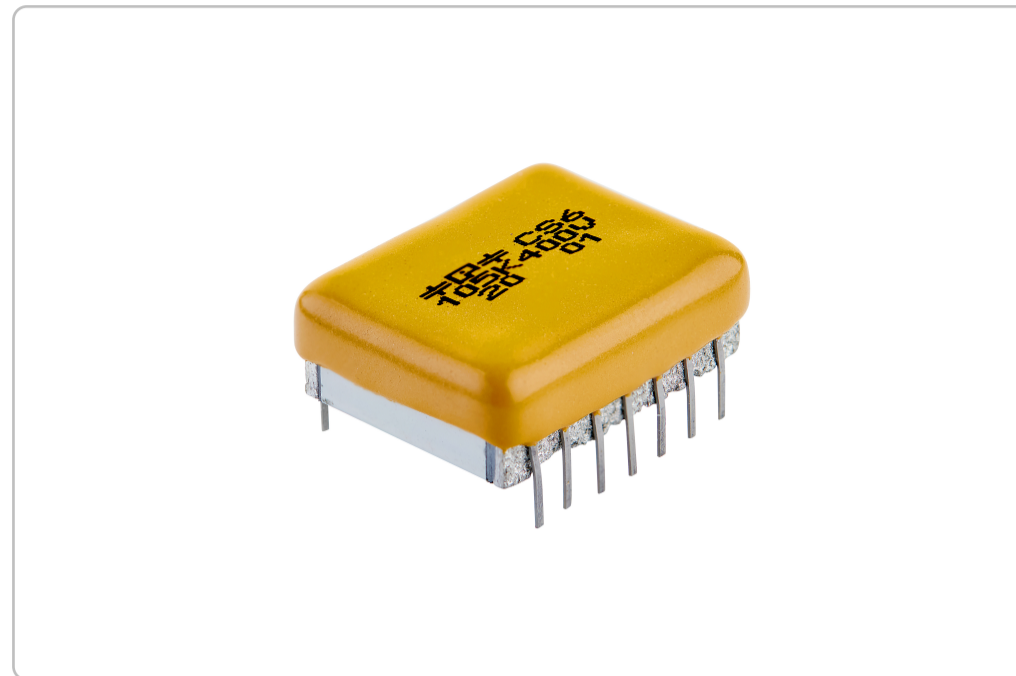


Capstick Series (CS)

Product Series Specifications

Type:	Multilayer Polymer (MLP) Film
Grade:	Hi-Rel/ Rugged
Dielectric/ Construction:	Non-inductively constructed with metallized polyester dielectric (polyethylene terephthalate) in a parallel plate multilayer polymer (MLP) design. Electrodes use aluminum metallization. The case uses UL94V-0 rated epoxy coating, and the lead-frame material is tinned copper alloy.
Rated Voltage:	50 VDC to 500 VDC, depending on case size and configuration
Capacitance:	00.33 μF to 20.0 μF @ 1 kHz
Sizes:	CS4 and CS6 case platforms, each offered in thru-hole and gull-wing SMD versions]
Operating Temp.:	-55 °C to +125 °C



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Overview

Paktron's Capstick CS Series is a high performance non-polarized MLP film capacitor family designed for high ripple current, low ESR/ESL, and compact volumetric efficiency in high-frequency power applications. The family includes both thru-hole and gull-wing surface-mount options and is specifically positioned for high frequency switching power supplies and DC-to-DC converters. The Capstick capacitors have "true" voltage ratings and do not require the same derating practices some other dielectric systems use to achieve reliability targets.

Additional Features

- Surface-mount capability
- Ideal for high frequency switching power supplies and DC to DC converters
- Low ESR / ESL
- High ripple current / high capacitance
- Volumetrically efficient
- Non-polarized
- Available in thru-hole and gull-wing lead configurations

Typical Applications

- High frequency switching power supplies
- DC to DC converters
- High ripple current filtering
- Compact high-capacitance power designs
- Surface-mount or thru-hole power electronics assemblies

Parametric Search

Applied Filters: [Brand: UTC ✖](#) [Product Family: C - Low Voltage ✖](#)

this should say "open filters" -->

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Compare	Product	PDF	DLA PN	Brand	Capacitor Type	Voltage DC	Capacitance	Operating Temperature Range	Product Family	V
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<input type="checkbox"/>	CA1005X5R102MW	PDF	-	UTC	Ceramic	6.3	1000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R103JW	PDF	-	UTC	Ceramic	6.3	10000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R103KW	PDF	-	UTC	Ceramic	6.3	10000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R103MW	PDF	-	UTC	Ceramic	6.3	10000 pF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R104JW	PDF	-	UTC	Ceramic	6.3	0.1 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R104KW	PDF	-	UTC	Ceramic	6.3	0.1 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R104MW	PDF	-	UTC	Ceramic	6.3	0.1 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R223JW	PDF	-	UTC	Ceramic	6.3	0.022 uF	-55°C to +125°C	C - Low Voltage	
<input type="checkbox"/>	CA1005X5R223KW	PDF	-	UTC	Ceramic	6.3	0.022 uF	-55°C to +125°C	C - Low Voltage	

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