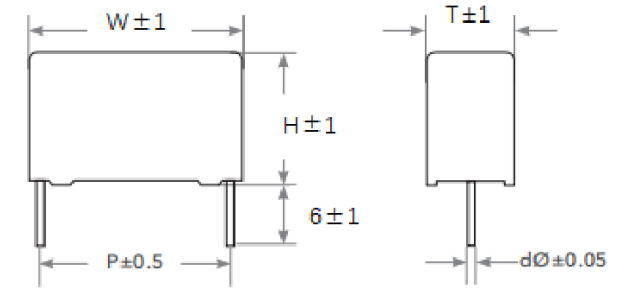


## Metallized Polypropylene DC-Link Film Capacitor

Primary characteristics		
Parameter	Value	Unit
Capacitance	7.0	µF
Rated voltage	700	VDC

### Features

- Pb-free and RoHS compliant
- Plastic case according to UL94V-0
- Small size, good self-healing effect

Case dimensions						
						
Unit	W	H	T	P	φd	L
mm	32 ±1.0	28 ±1.0	14 ±1.0	27.5 ±0.5	0.8 ±0.05	6.0 ±1.0

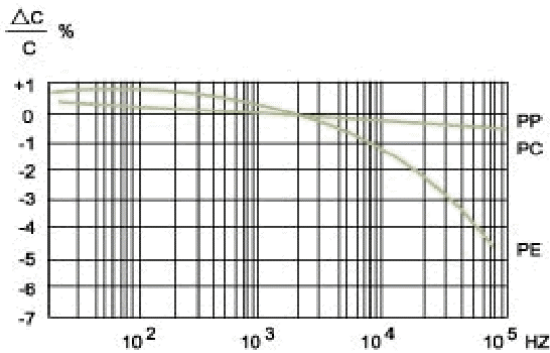
Part numbering system												
AFC	DC	705	J	3	11P	06	B		B			
Series code	Type: DC-link	Capacitance 7.0pF × 10 <sup>2</sup> = 7.0µF	Capacitance tolerance	Rated voltage marking		Lead width	Lead length	Lead configuration		Packing		
			J	±5%	1	500V	01P	2.5mm	6.0mm	See: <a href="#">lead configuration</a> below	B	Bulk
			K	±10%	2	600V	02P	5.0mm			T	Tape
			M	±20%	3	700V	03P	7.5mm				
					4	800V	nP	n x 2.5mm				
					5	900V						
					6	1000V						
					7	1100V						
					8	1200V						

Lead configuration																
Lead type																
Code	L	M	N	B	C	D	E	F	G	H	K	T	U	W	R	S

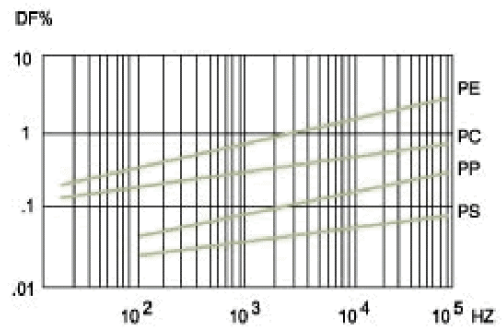
Specifications		
Parameter	Value	Unit
Operating temperature range	-40 ~ 85 typ.; 105 max	°C
Standard capacitance (C <sub>R</sub> )	7.0	µF
Capacitance tolerance	±5	%
Rated voltage	700	VDC
Insulation resistance @20 ±5°C, 1min; @100VDC	≥10000	S

**Frequency characteristics**

Capacitance vs. frequency

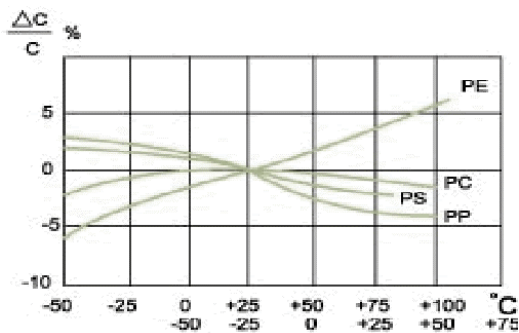


Dissipation factor vs. frequency

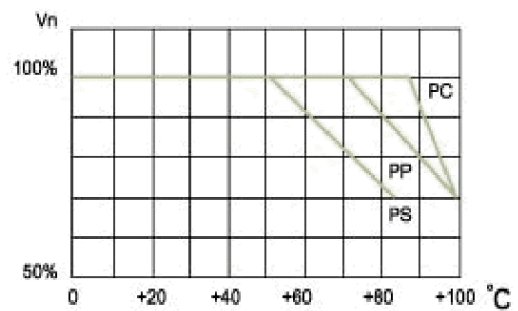


**Temperature characteristic**

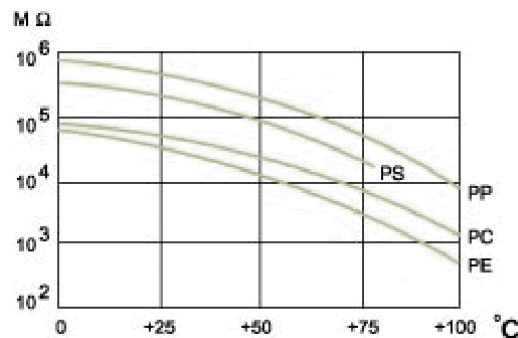
Capacitance vs. temperature



Operating voltage vs. temperature



(C<sub>R</sub> value) IR vs. temperature



Ordering information			
Part Number	Package	Shipping Quantity	Box dimensions
AFCDC 705J311P06BB	32 x 28 x 14mm	50 pcs/polybag	34 x 26 x 28 cm 57 x 35 x 30 cm

## Disclaimer

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