## Oil Filled/Impregnated, AC Rated, Metallized Polypropylene Capacitors



Type HV capacitors are constructed with low loss self healing metallized polypropylene film. Packaged in a cylindrical and oval metal cases. Type HV capacitors are ideal for AC filtering, CVT filtering/snubbering, line current reduction and voltage regulation in power supply applications.

### **Highlights**

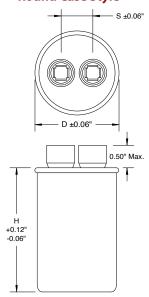
- Self healing
- Protected
- Low energy consumption
- AC filtering
- Power supply filter/regulator
- CVT filter/snubber

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Capacitance Range	0.5 μF to 13 μF
Capacitance Tolerance	±5% standard, ± 10%. ±6% and ±3% available
Rated Voltage	1000 Vac, 2000 Vac, 2500 Vac and 4000 Vac
Operating Temperature Range	-40 °C to 70 °C
Rated Frequency	50 Hz and 60 Hz
Rated Current	15 A <sub>ms</sub> , fundamental plus any harmonics
Life	60,000 h with 94% survival rate
RoHS	Compliant

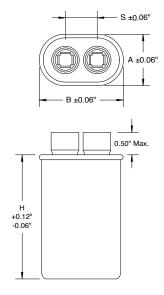
#### **Dimensions**

Construction Deta	onstruction Details		
Case Material	Aluminum		
Encapsulation	Enviromentally Safe Dielectric Fluid		
Terminal Material	Tin Plated Steel		

#### **Round Case Style**



#### **Oval Case Style**



	Dimensions (Inches)			
Case Code	Α	В	S	Н
Α	1.31	2.16	0.81	See Ratings Table
С	1.91	2.91	0.81	
D	1.97	3.66	1.624	

	Dimensions (inches)		
Case Code	D	S	Н
Р	1.87	0.81	See Ratings Table
Т	2.62	0.81	

## **Type HV High Voltage Capacitors**

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## **Part Numbering System**

HV	C	KA	S	35	J	291	В
Series	Case	AC Volt	<b>Case Material</b>	Сар	Tol. ±%	Can Height	VAR
HV	<b>A</b> = 1 1/4" Oval	<b>KA</b> = 1000 Vac	<b>S</b> = Steel case and cover	$\textbf{7}=7.0~\mu\text{F}$	$J = \pm 5\%$	<b>238</b> = 2.38"	<b>B</b> = 4 way 70 °C
	<b>C</b> = 1 3/4" Oval	<b>LA</b> = 2000 Vac	T = Aluminum	$\textbf{35} = 35.0~\mu\text{F}$	$\mathbf{L} = \pm 3\%$	<b>291</b> = 2.91"	<b>D</b> = 4 way 90 °C
	<b>D</b> = 2.0" Oval	<b>LL</b> = 2500 Vac	w/steel cover		$\mathbf{H} = \pm 6\%$	<b>388</b> = 3.88"	$\mathbf{Z} = Other$
	<b>P</b> = 1 3/4" Round	<b>MA</b> = 3000 Vac			$K = \pm 10\%$	<b>475</b> = 4.75"	
	<b>T</b> = 2 1/2" Round	<b>NA</b> = 4000 Vac				<b>488</b> = 4.88"	

## **Ratings**

CDE Catalog Number	Cn (μF)	Case	Case Height	
		Code	(in)	(mm)
	1000 Vrr	ns		
HVPKAT3J475B	3	Р	4.75	121
HVPKAT5J475B	5	Р	4.75	121
HVTKAT8J475B	8	Т	4.75	121
HVTKAT10J475B	10	Т	4.75	121
HVTKAT13J603B	13	Т	6.03	153
HVAKAT3J288B	3	Α	2.88	73
HVAKAT5J475B	5	Α	4.75	121
HVCKAT8J391B	8	С	3.91	99
HVCKAT10J475B	10	C	4.75	121
HVDKAT13J475B	13	D	4.75	121
	2000Vrr	ns		
HVDLAT1J475B	1	D	4.75	121
HVDLAT3J475B	3	D	4.75	121
HVDLAT5J578B	5	D	5.78	147
	2500Vrr	ns		
HVDLCT1J475B	1	D	4.75	121
HVDLCT2J578B	2	D	5.78	147
HVDLCT3J578B	3	D	5.78	147
	3000Vrr	ns		
HVDMAT1J391B	1	D	3.91	99
HVDMAT2J578B	2	D	5.78	147
HVDMAT3J750B	3	D	7.50	191
	4000Vrr	ns		
HVDNAT0.5J475B	0.5	D	4.75	121
HVDNAT1J578B	1	D	5.78	147
HVDNAT1.8J959B	1.8	D	9.59	244

### **Options**

Aluminum cans, with and without studs, are available upon request.

Additional tolerances such as  $\pm 3\%$ ,  $\pm 6\%$  and  $\pm 10\%$  are available.

+90 °C ratings are available

Discharge resistors are available.

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