

# HT471K Datasheet



DiGi Electronics Part Number	HT471K-DG
Manufacturer	<a href="#">Cornell Dubilier Electronics (CDE)</a>
Manufacturer Product Number	HT471K
Description	CAP CER 470PF 3KV Y5P RADIAL
Detailed Description	470 pF ±10% 3000V (3kV) Ceramic Capacitor Y5P (B ) Radial, Disc

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## Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
HT471K	Cornell Dubilier Electronics (CDE)
Series:	Product Status:
-	Obsolete
Capacitance:	Tolerance:
470 pF	±10%
Voltage - Rated:	Temperature Coefficient:
3000V (3kV)	Y5P (B)
Operating Temperature:	Features:
-30°C ~ 85°C	High Voltage
Ratings:	Applications:
-	General Purpose
Failure Rate:	Mounting Type:
-	Through Hole
Package / Case:	Size / Dimension:
Radial, Disc	0.394" Dia (10.00mm)
Height - Seated (Max):	Thickness (Max):
0.236" (6.00mm)	-
Lead Spacing:	Lead Style:
0.374" (9.50mm)	Straight

## Environmental & Export classification

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	Not Applicable
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8532.23.0060	

# EIA Class 2 Temperature/ Frequency Stable Ceramic Capacitors



## Highlights

- Provides exceptional stability where minimum variation in capacitance is required
- Conformally Coated
- Radial Leads

## Specifications

<b>Capacitance Range:</b>	100 pF to 10,000 pF
<b>Voltage Range:</b>	500 and 1,000 VDC
<b>Tolerance:</b>	10%
<b>Operating Temperature Range:</b>	-30 °C to +85 °C
<b>Lead Length:</b>	1 inch minimum
<b>Insulation Resistance:</b>	10,000 megohms (min)
<b>Power Factor @ 1000 Hz:</b>	1.5% Max
<b>Breakdown Voltage:</b>	2.5 x rated(5 seconds Max)

## Ratings

Part Number	Capacity pF	Tol	Temp Coef	Size (inches)				Size (Millimeters)				Part Number	Capacity pF	Tol	Temp Coef	Size (inches)				Size (Millimeters)			
				D	T	S	d	D	T	S	d					D	T	S	d	D	T	S	d
<b>500 WVDC</b>												<b>1000 WVDC</b>											
SM151K**	150	10%	Y5E	.236	.157	.252	.025	6.0	4.0	6.4	0.65	SP101K*	100	10%	Y5E	.238	.236	.252	.025	6.0	6.0	6.4	0.65
SM221K**	220	10%	Y5E	.236	.157	.252	.025	6.0	4.0	6.4	0.65	SP181K*	180	10%	Y5E	.238	.236	.252	.025	6.0	6.0	6.4	0.65
SM391K**	390	10%	Y5E	.236	.157	.252	.025	6.0	4.0	6.4	0.65	SP221K**	220	10%	Y5E	.238	.236	.252	.025	6.0	6.0	6.4	0.65
SM471K**	470	10%	Y5E	.236	.157	.252	.025	6.0	4.0	6.4	0.65	SP271K**	270	10%	Y5E	.238	.236	.252	.025	6.0	6.0	6.4	0.65
SM561K**	560	10%	Y5E	.236	.157	.252	.025	6.0	4.0	6.4	0.65	SP331K*	330	10%	Y5E	.238	.236	.252	.025	6.0	6.0	6.4	0.65
SM681K**	680	10%	Y5E	.236	.157	.252	.025	6.0	4.0	6.4	0.65	SP471K*	470	10%	Y5E	.238	.236	.252	.025	6.0	6.0	6.4	0.65
SM102K**	1,000	10%	Y5E	.339	.157	.252	.025	8.6	4.0	6.4	0.65	SP561K**	560	10%	Y5E	.291	.236	.252	.025	7.4	6.0	6.4	0.65
SM222K**	2,200	10%	Y5E	.433	.157	.252	.025	11.0	4.0	6.4	0.65	SP681K**	680	10%	Y5E	.291	.236	.252	.025	7.4	6.0	6.4	0.65
SM472K**	4,700	10%	Y5E	.571	.157	.374	.025	14.5	4.0	9.5	0.65	SP102K*	1,000	10%	Y5E	.374	.236	.252	.025	9.5	6.0	6.4	0.65
SM682K**	6,800	10%	Y5E	.748	.157	.374	.025	19.0	4.0	9.5	0.65	SP152K**	1,500	10%	Y5E	.433	.236	.252	.025	11.0	6.0	6.4	0.65
SM103K**	10,000	10%	Y5E	.748	.157	.374	.025	19.0	4.0	9.5	0.65	SP182K**	1,800	10%	Y5E	.433	.236	.252	.025	11.0	6.0	6.4	0.65
												SP222K**	2,200	10%	Y5E	.492	.236	.252	.025	12.5	6.0	6.4	0.65
												SP272K**	2,700	10%	Y5E	.590	.236	.374	.025	15.0	6.0	9.5	0.65
												SP392K**	3,900	10%	Y5E	.641	.236	.374	.025	16.3	6.0	9.5	0.65
												SP472K**	4,700	10%	Y5E	.641	.236	.374	.025	16.3	6.0	9.5	0.65

\* AVAILABLE ONLY UNTIL STOCK IS DEPLETED

\*\* PART NUMBER IS OBSOLETE

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