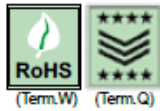


Precision High Voltage Multilayer Ceramic Capacitors, Radial Lead

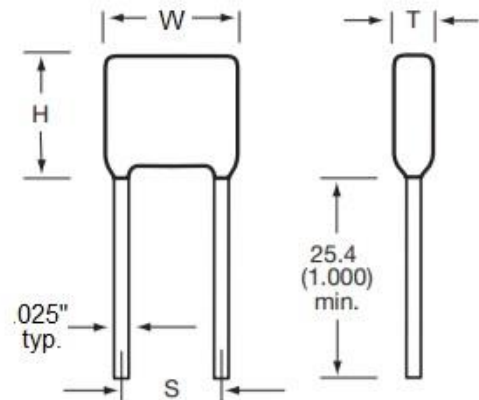
HVC Series



RCD's HVC series capacitors are suited for many commercial and military applications due to their low leakage, high operating voltage, extremely low ESR, and high stability construction. The extra heavy insulation prevents arc flashover. The standard parts are RoHS compliant but are available with Tin-Lead termination finish as well as burn-in/ upscreening for Military/Aerospace applications.

- NPO or X7R dielectrics
- Voltages to 10KV
- 10pF to 2.2uF
- Ideally suited for snubbers in high frequency power converters, high voltage coupling/DC blocking, resonators in SMPS, etc
- Competitive pricing

CASE CODE	Sizes (max)			Lead Spacing (+/-) 0.030 (S)
	Width (W)	Height (H)	Thickness (T)	
A	0.250	0.220	0.200	0.170
B	0.320	0.280	0.250	0.220
C	0.370	0.300	0.250	0.275
D	0.470	0.400	0.270	0.375
E	0.570	0.500	0.270	0.475
F	0.670	0.600	0.270	0.575
G	0.770	0.720	0.270	0.675
H	1.250	0.600	0.270	1.100
JJ	1.450	0.720	0.270	1.300
KK	1.450	0.720	0.220	1.300
K	1.450	0.720	0.200	1.300
L	0.450	0.220	0.270	0.300
M	0.550	0.280	0.270	0.400



COG Dielectric Typical Specifications	X7R Dielectric Typical Specifications
10 pF to 0.15 μ F	100 pF to 2.2 μ F
\pm 5%; \pm 10%; \pm 20%	\pm 10%; \pm 20%; +80-20%
Oper. Temp.: -55°C to +125°C	Oper. Temp.: -55°C to +125°C
TC: 0 \pm 30 ppm/°C	TC: \pm 15% (0 VDC)
500VDC thru 5000VDC std (10KV avail.)	500VDC thru 5000VDC std (10KV avail.)
Dissipation Factor: 0.15%	Dissipation Factor: 2.5%
Insul. Resis. (25°C, 500V): 100K M Ω or 1000 M Ω - μ F, whichever is less	Insul. Resis. (25°C, 500V): 100K M Ω or 1000 M Ω - μ F, whichever is less
Dielectric Strength: 1.2xrated V. 5S	Dielectric Strength: 1.2xrated V. 5S
Aging Rate: 0	Aging Rate: -2% per decade hour
Voltage Coefficient: Negligible	Voltage Coefficient: -35 to -55% at WVDC

Maximum Standard Capacitance (extended ranges available)

COG					
CASE	1000V	2000V	3000V	4000V	5000V
A	1000pF	180pF	82pF	--	--
B	3300pF	680pF	270pF	150pF	100pF
C	5600pF	1200pF	470pF	270pF	180pF
L	2200pF	470pF	180pF	100pF	68pF
D	.015uF	3300pF	1200pF	680pF	470pF
M	.0068uF	1500pF	560pF	330pF	220pF
E	.027uF	5600pF	2200pF	1200pF	820pF
F	.039uF	.01uF	3900pF	2200pF	1500pF
G	.068	.015uF	6800pF	3900pF	2700pF
H	.056uF	.012uF	5600pF	3300pF	2200pF
J	.088uF	.022uF	.0082uF	4700pF	3300pF
K	.15uF	.033uF	.015uF	8200pF	5600pF
X7R					
A	.010uF	3900pF	--	--	--
B	.022uF	6800pF	2700pF	--	--
C	.027uF	.01uF	4700pF	1800pF	--
L	.027uF	3300pF	1500pF	680pF	--
D	.068uF	.027uF	.012uF	4700pF	--
M	.082uF	.01uF	5600pF	2200pF	1000pF
E	.15uF	.047uF	.027uF	.01uF	6800pF
F	.27uF	.068uF	.047uF	.018uF	.012uF
G	.47uF	.10uF	.068uF	.027uF	.018uF
H	.68uF	.082uF	.047uF	.033uF	.022uF
J J	1.0uF	.15uF	.10uF	.039uF	.027uF
K K	2.2uF	.22uF	.15uF	.056uF	.033uF

P/N DESIGNATION: HVC H - 102 - K 501 R B W

RCD Type _____

Case Code _____

Capacitance Code (pF) 2 signif. digits & multiplier:
 100=10pF, 101=100pF, 102=1000pF, 103=.01uF(10,000pF),
 104=.1uF(100,000pF), 105=1uF

Tolerance: J=5%, K=10%, M=20%, Z=+80%/-20%

Voltage Code: 501=500V, 102=1000V, 202=2000V, etc.

Dielectric: G=COG (NPO), R=X7R

Packaging: B=Bulk(poly bag)

Termination: W=lead-free, Q=tin/lead (leave blank if either is acceptable, in which case RCD will select based on lowest price and quickest delivery)