

The KCVN6 Series is tough constructed ceramic trimmer capacitor without a center axis, and are of unique double encased types against shock in automatic assembly.

The rotor in the case is arranged to turn quite smoothly, featuring wide range of nominal capacitance.

Features

- ✦ Flame retardant plastic case.
- ✦ Excellent shock resistance.
- ✦ Most suitable for insertion machine, easy to adjust.
- ✦ Flow solderable for rear adjusting type.
- ✦ Sealed construction prevents the penetration of flux and dust.



Parts Numbering

$\frac{K}{1} \frac{C}{V} \frac{X}{2} 6 \frac{X}{3} \frac{X}{4} \frac{X}{X} \frac{X}{5}$

1. Ceramic Trimmer Capacitor
2. Terminal type (N: normal, R: rear, T: taping type)
3. Temperature Coefficient
4. Capacitance
5. Sealing (A: not provided, B: provided)

* Packing: 200pcs/bag

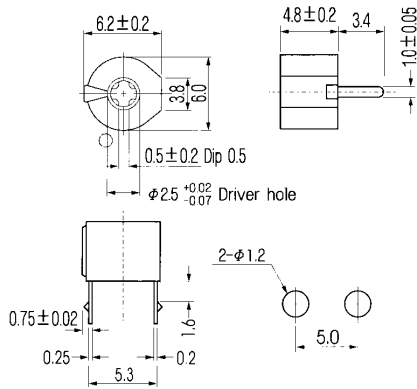
Specifications

Operating temperature range	: -25°C~+85°C
Rated working voltage	: 100VDC
Dielectric withstanding voltage	: 220VDC
Insulation Resistance	: 10 ⁴ M► min.
Rotation torque	: 20~200g.cm

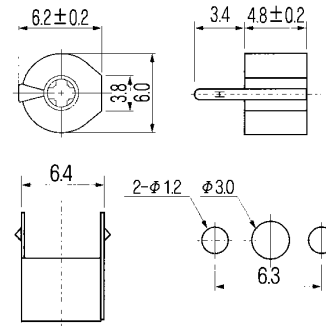
Part Number	Capacitance (pF)		Temperature Coefficient (ppm/°C)		Q(1MHz, Cmax) (min.)	Case Color
	Min. (+0%)	Max (%)				
KCV☒ 6A003 ☒	1.5	3 ⁺¹⁰⁰ ₋₀	NP	0 ± 200	500	Black
KCV☒ 6A005 ☒	2.0	5 ⁺¹⁰⁰ ₋₀	NP	0 ± 200	500	Blue
KCV☒ 6A007 ☒	2.0	7 ⁺⁵⁰ ₋₀	NP	0 ± 200	500	Blue
KCV☒ 6B010 ☒	2.1	10 ⁺⁵⁰ ₋₀	N	200 ± 200	500	Blue
KCV☒ 6C010 ☒	3.0	10 ⁺⁵⁰ ₋₀	N	450 ± 300	500	White
KCV☒ 6A011 ☒	3.0	11 ⁺⁵⁰ ₋₀	NP	0 ± 200	500	Blue
KCV☒ 6C011 ☒	3.0	11 ⁺⁵⁰ ₋₀	N	450 ± 300	500	White
KCV☒ 6C020 ☒	4.2	20 ⁺⁵⁰ ₋₀	N	450 ± 300	500	Red
KCV☒ 6D020 ☒	4.2	20 ⁺⁵⁰ ₋₀	N	750 ± 300	500	Red
KCV☒ 6DT30 ☒	5.2	30 ⁺⁵⁰ ₋₀	N	750 ± 300	500	Green
KCV☒ 6D030 ☒	6.2	30 ⁺⁵⁰ ₋₀	N	750 ± 300	500	Green
KCV☒ 6E040 ☒	6.8	40 ⁺⁵⁰ ₋₀	N	1200 ± 500	300	Yellow
KCV☒ 6E050 ☒	9.8	50 ⁺⁵⁰ ₋₀	N	1200 ± 500	200	Brown
KCV☒ 6E060 ☒	10.2	60 ⁺⁵⁰ ₋₀	N	1200 ± 500	200	Brown
KCV☒ 6E070 ☒	13.0	70 ⁺⁵⁰ ₋₀	N	1200 ± 500	200	Brown
KCV☒ 6E090 ☒	20.0	90 ⁺⁵⁰ ₋₀	N	1200 ± 500	150	Brown
KCV☒ 6E120 ☒	25.0	120 ⁺⁵⁰ ₋₀	N	1200 ± 500	150	Black

Dimensions (Unit: mm, Tolerance: ± 0.5)

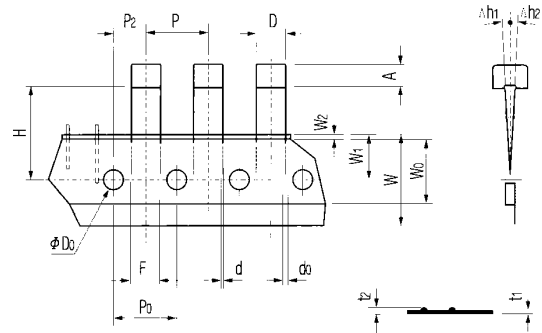
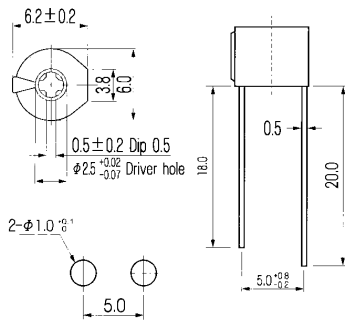
Normal Type (KCVN6 XXXXX)



Real Type (KCVR6 XXXXX)

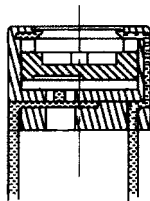


Tapping Type (KCVT6 XXXXX)



ITEM	MARK	DIMENSION	TOLERANCE
MAIN BODY' S DIAMETER	D	6.2	± 0.5
MAIN BODY' S HEIGHT	A	4.8	± 0.5
LEAD WIRE' S WIDTH	d	0.6	
SPACE BETWEEN PRODUCT	P	12.7	± 1.0
SPACE BETWEEN HOLES	P ₀	12.7	± 0.2
CAP OF HOLE AND MAIN BODY	P ₂	6.35	± 1.3
SPACE BETWEEN LEAD WIRES	F	5.0	+0.8 / -0.2
SLANT	$\angle h_1, \angle h_2$	2.0	MAX
WIDTH OF PASTEBOARD	W	18.0	± 0.5
WIDTH OF ADHESIVE TAPE	W ₀	13.0	
POSITION CAP OF HOLE	W ₁	8.5	± 0.5
HOLD DAWN TAPE POSITION	W ₂	1.0	± 1.5
Distance between Refn. And Bottom	H	19.0	± 1.5
HOLE' S DIAMETER	D ₀	4.0	± 0.2

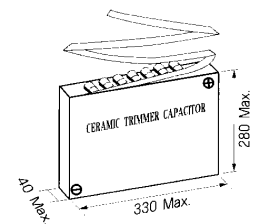
Seal Type (KCV X 6 XXXX B)



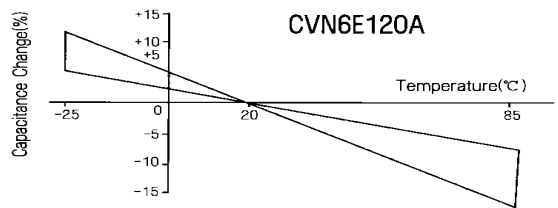
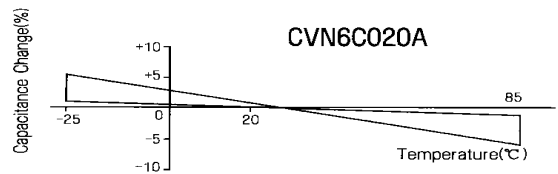
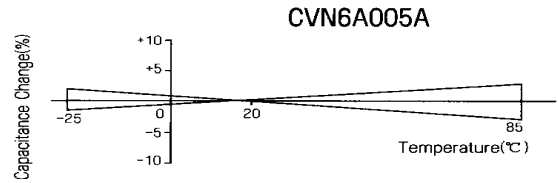
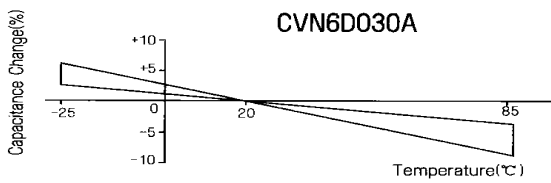
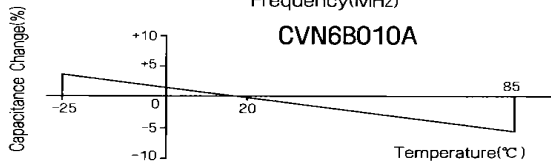
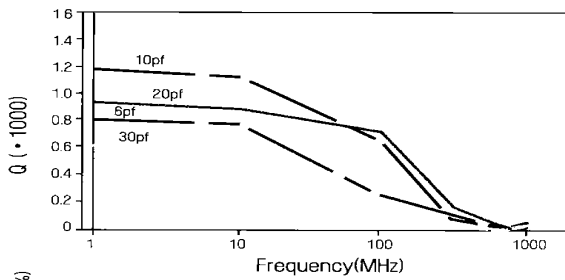
Features

- ✦ 2 minutes immersion in solvent or 30 second ultrasonic cleaning can be performed
- ✦ Flux troubles have been eliminated
- ✦ Flow soldering can be performed for rear adjustment
- ✦ Closed construction with seal ring eliminates film breakage and other problems like ceramic breakage.

Packing Unit: 2000pcs



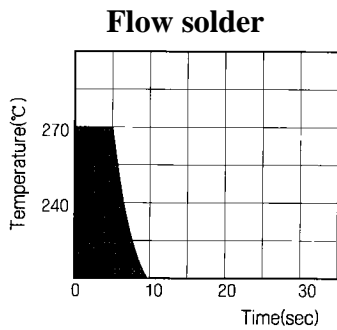
Characteristics



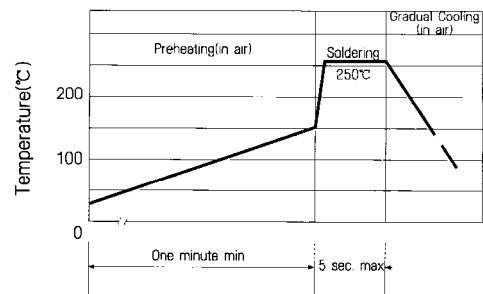
Soldering Conditions

✦ Soldering temperature and time

Solder within the range indicated by the slanted line. If soldering is repeated, please note that the allowed time is the accumulated time.



✦ Standard soldering conditions



Cleaning conditions (sealing type)

✦ Cleaning with solvent must be done for less than 2 minutes, but supersonic cleaning should be completed within 1 minutes. In the case of only immersion washing with room temperature can be done for 5 minutes.

✦ Using solvent: Please consult with us.