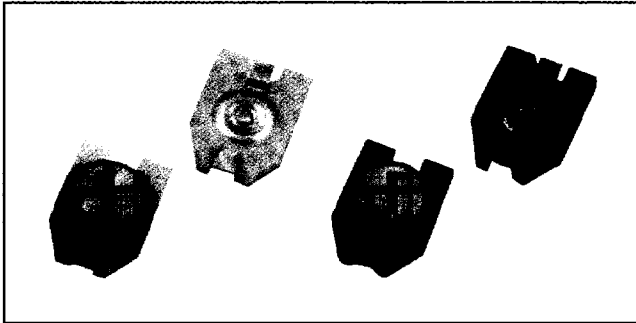




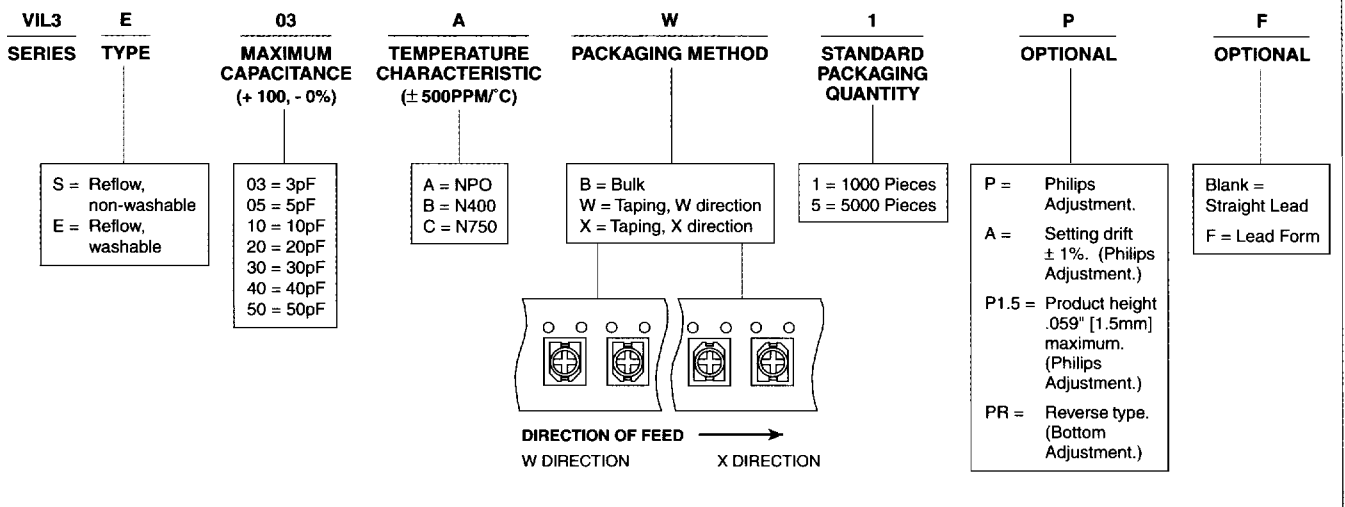
SERIES VIL3 Multilayer Ceramic Chip Trimmer Capacitors



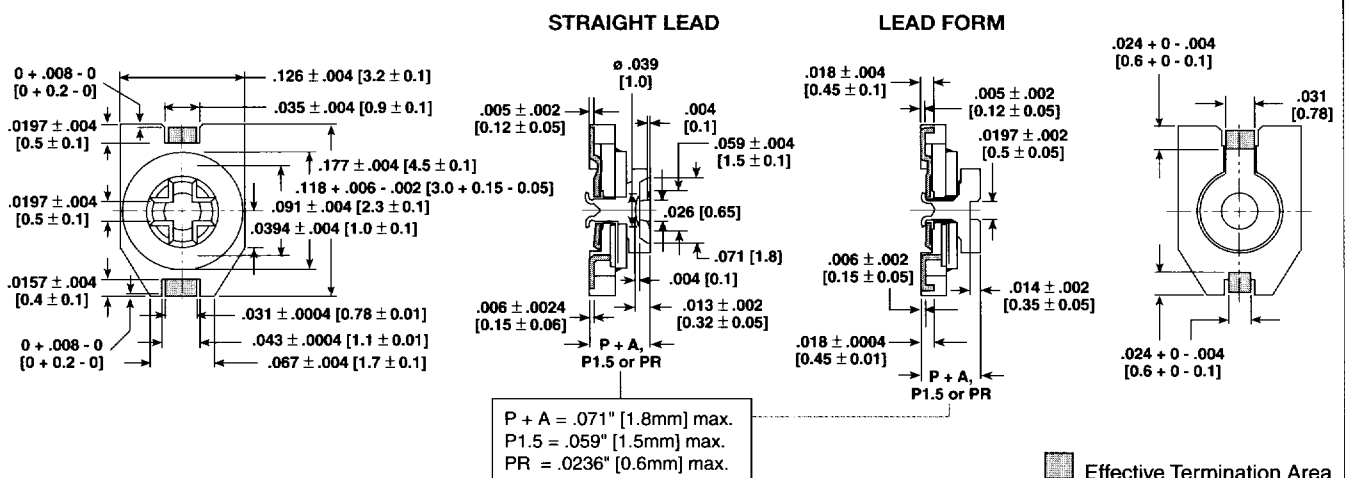
VIL3 SERIES - FOUR BASIC TYPES

VIL3-P	VIL3S-P VIL3E-P	Philips Adjustment.
VIL3-A	VIL3S-A VIL3E-A	Setting drift 1% w/Philips Adjustment.
VIL3-P1.5	VIL3S-P1.5 VIL3E-P1.5	Low profile w/Philips Adjustment.
VIL3-PR	VIL3S-PR VIL3E-PR	Reverse ultra thin w/Philips Adjustment.

VIL3 SERIES - HOW TO ORDER



VIL3 SERIES - PHILIPS ADJUSTMENT DIMENSIONS [NUMBERS IN BRACKETS INDICATE MILLIMETERS]



SERIES VIL3 - Multilayer Ceramic Chip Trimmer Capacitors

SPECIFICATIONS - TYPE VIL3 - A, Maximum Height .071" [1.8mm], 1% setting drift

PART NUMBER -VIL3 - A	MINIMUM CAP VALUE (pF)	MAXIMUM CAP VALUE (pF)	TC (PPM/°C)
VIL3x-03A-xx-Ax	1.5	3	NP0 ± 500
VIL3x-05A-xx-Ax	2	5	NP0 ± 500
VIL3x-05C-xx-Ax	3	5	N750 ± 500
VIL3x-10A-xx-Ax	4	10	NP0 ± 500
VIL3x-10B-xx-Ax	2	10	N400 ± 500
VIL3x-10C-xx-Ax	3	10	N750 ± 500
VIL3x-20C-xx-Ax	7.5	20	N750 ± 500
VIL3x-30C-xx-Ax	7.5	30	N750 ± 500
VIL3x-40C-xx-Ax	7.5	40	N750 ± 500
VIL3x-50C-xx-Ax	12.5	50	N750 ± 500

SPECIFICATIONS - TYPE VIL3 - P, Maximum Height .071" [1.8mm]

PART NUMBER -VIL3 - P	MINIMUM CAP VALUE (pF)	MAXIMUM CAP VALUE (pF)	TC (PPM/°C)
VIL3x-03A-xx-Px	1	3	NP0 ± 500
VIL3x-05A-xx-Px	1.5	5	NP0 ± 500
VIL3x-05C-xx-Px	2	5	N750 ± 500
VIL3x-10A-xx-Px	2.5	10	NP0 ± 500
VIL3x-10B-xx-Px	1.5	10	N400 ± 500
VIL3x-10C-xx-Px	3	10	N750 ± 500
VIL3x-20C-xx-Px	5	20	N750 ± 500
VIL3x-30C-xx-Px	5	30	N750 ± 500
VIL3x-40C-xx-Px	5	40	N750 ± 500
VIL3x-50C-xx-Px	7	50	N750 ± 500

SPECIFICATIONS - TYPE VIL3 - P1.5, Maximum Height .059" [1.5mm]

PART NUMBER -VIL3 - P1.5	MINIMUM CAP VALUE (pF)	MAXIMUM CAP VALUE (pF)	TC (PPM/°C)
VIL3x-03A-xx-P1.5x	1	3	NP0 ± 500
VIL3x-05A-xx-P1.5x	1.5	5	NP0 ± 500
VIL3x-05C-xx-P1.5x	2	5	N750 ± 500
VIL3x-10A-xx-P1.5x	2.5	10	NP0 ± 500
VIL3x-10B-xx-P1.5x	1.5	10	N400 ± 500
VIL3x-10C-xx-P1.5x	3	10	N750 ± 500
VIL3x-20C-xx-P1.5x	5	20	N750 ± 500
VIL3x-30C-xx-P1.5x	5	30	N750 ± 500
VIL3x-40C-xx-P1.5x	5	40	N750 ± 500
VIL3x-50C-xx-P1.5x	7	50	N750 ± 500

SPECIFICATIONS - TYPE VIL3 - PR, Maximum Height .0236" [0.6mm], Reverse Type

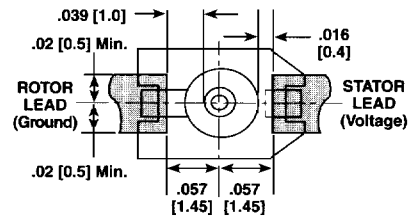
PART NUMBER -VIL3 - PR	MINIMUM CAP VALUE (pF)	MAXIMUM CAP VALUE (pF)	TC (PPM/°C)	REVERSE TYPE
VIL3x-03A-xx-PRx	1	3	NP0 ± 500	
VIL3x-05A-xx-PRx	1.5	5	NP0 ± 500	
VIL3x-05C-xx-PRx	2	5	N750 ± 500	
VIL3x-10A-xx-PRx	2.5	10	NP0 ± 500	
VIL3x-10B-xx-PRx	1.5	10	N400 ± 500	
VIL3x-10C-xx-PRx	3	10	N750 ± 500	
VIL3x-20C-xx-PRx	5	20	N750 ± 500	
VIL3x-30C-xx-PRx	5	30	N750 ± 500	
VIL3x-40C-xx-PRx	5	40	N750 ± 500	
VIL3x-50C-xx-PRx	7	50	N750 ± 500	

VIL3 SERIES - CONDITIONS AND PRECAUTIONS [NUMBERS IN BRACKETS INDICATE MILLIMETERS]

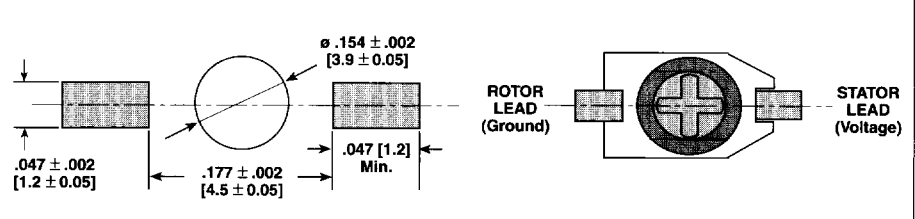
MOUNTING PATTERN

Recommended Pattern:

VIL3-P/A/P1.5 Series



VIL3-PR Series

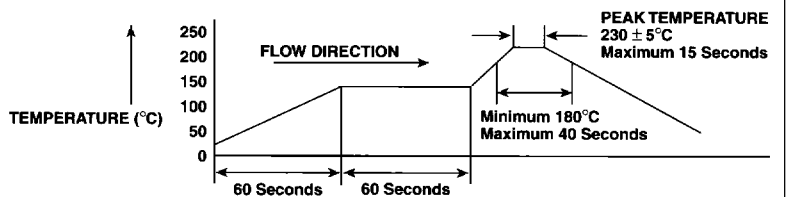


1. Determine if there is adequate room for mounting according to pattern dimensions and set pattern dimensions.
2. Connect stator terminal to voltage, rotor terminal to ground.
3. Make sure that the solder cream for coating is sufficient. (We recommend 150µm.)
4. Take caution that the solder flux and adhesive paste does not flow in between rotor and stator.

SOLDERING

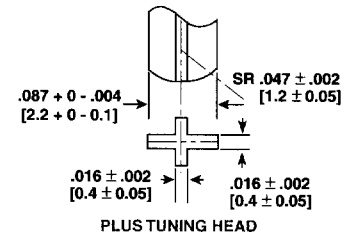
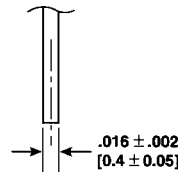
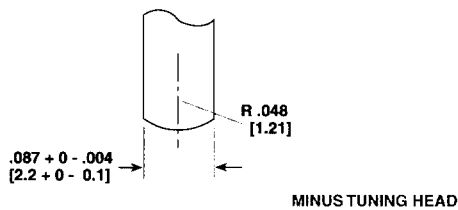
VIL3-P/A/P1.5/PR Series

1. Recommended reflow temperature curve.
2. Recommended hand soldering conditions:
Tip temperature 270 ± 5°C.
Soldering time, less than 5 seconds.

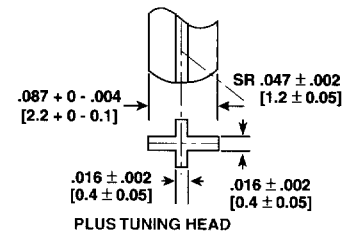
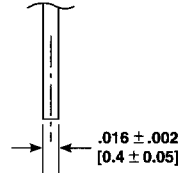
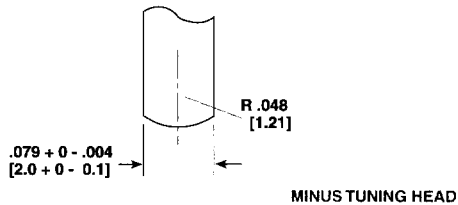


ADJUSTMENT

VIL3-P/A/P1.5 Series



VIL3-PR Series

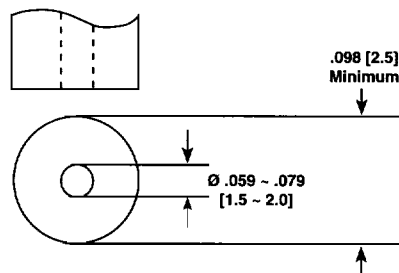


1. After removing from reflow, let cool to room temperature (at least 4 hours) before adjustment.
2. Maximum pressure of screwdriver should be less than 100g.
3. Recommended screwdriver head dimensions:

MOUNTING

VIL3-P/A/P1.5/PR Series

Recommended adhesive nozzle procedure:



Mechanical centering method:

When mounting automatically with mechanical centering method, adjust so that the centering hook touches the stator (take caution that centering hook does not touch lead).

