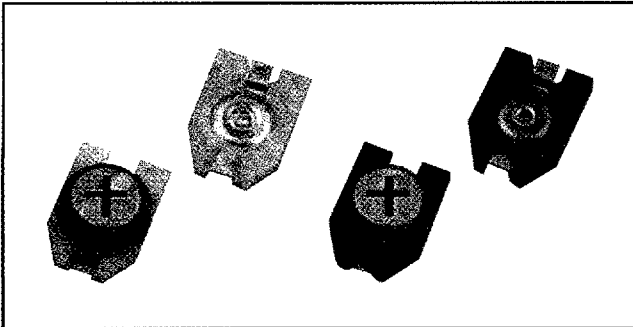


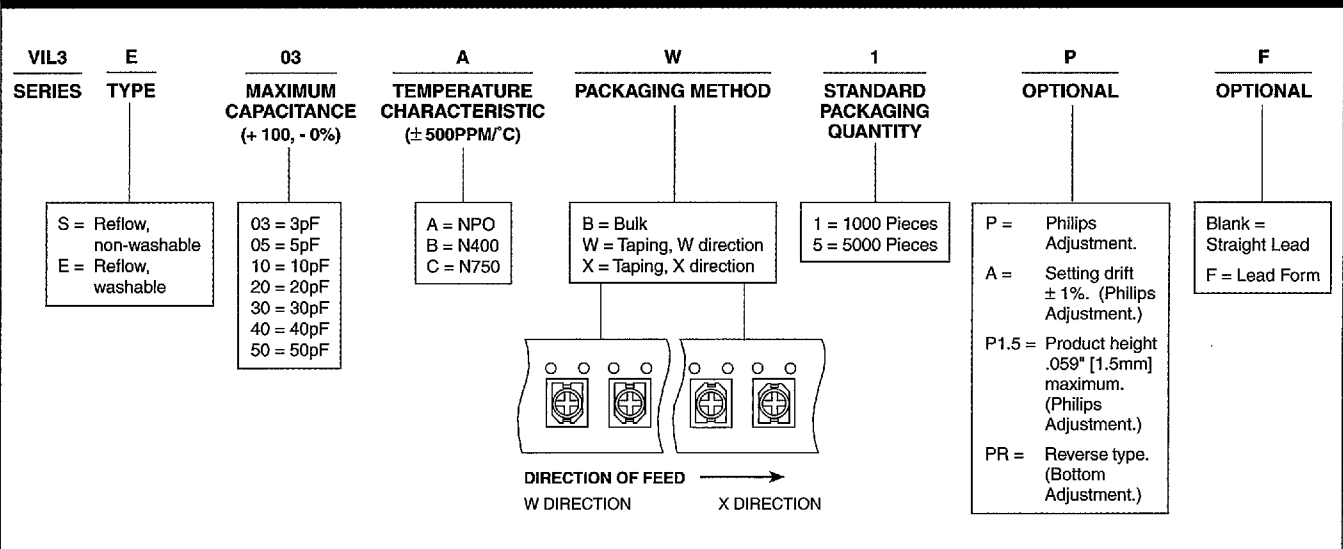


# SERIES VIL3 Multilayer Ceramic Chip Trimmer Capacitors

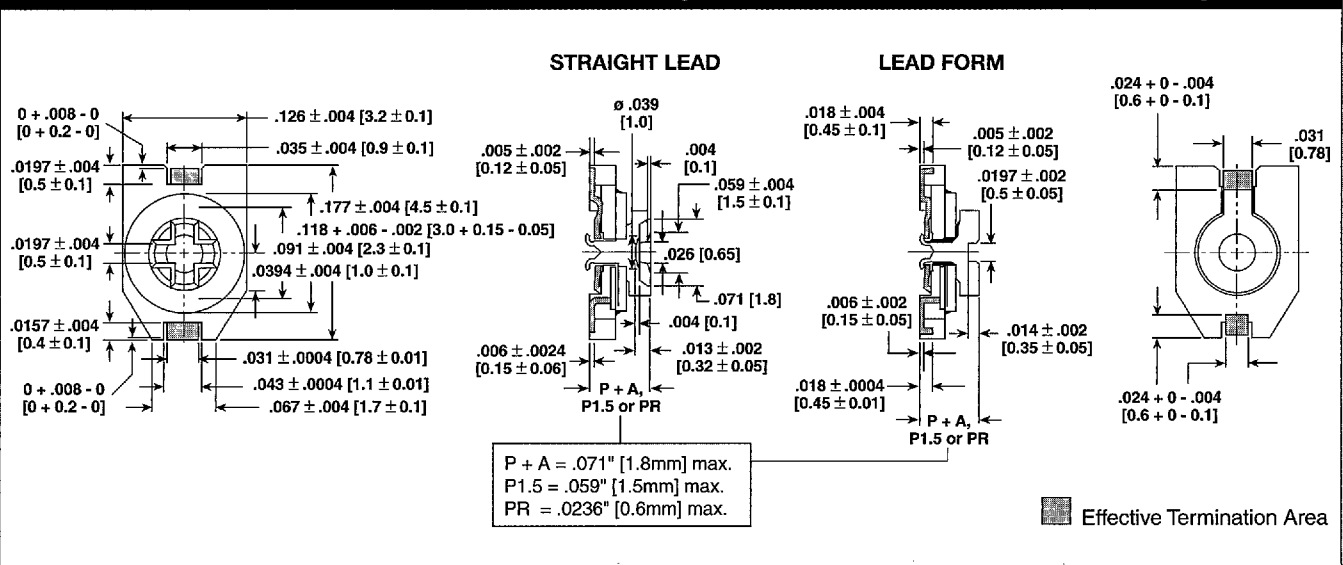


VIL3 SERIES - FOUR BASIC TYPES		
VIL3-P	VIL3S-P VIL3E-P	Philips Adjustment.
VIL3-A	VIL3S-A VIL3E-A	Setting drift 1% w/Philips Adjustment.
VIL3-P1.5	VIL3S-P1.5 VIL3E-P1.5	Low profile w/Philips Adjustment.
VIL3-PR	VIL3S-PR VIL3E-PR	Reverse ultra thin w/Philips Adjustment.

## VIL3 SERIES - HOW TO ORDER



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



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**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

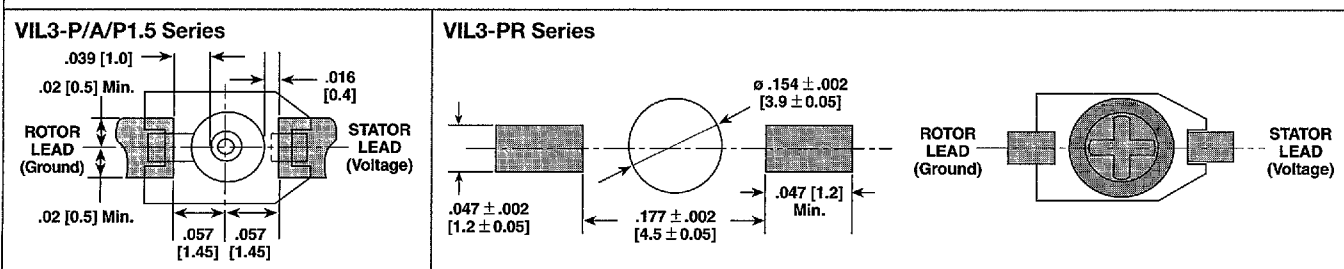
**SPECIFICATIONS - TYPE VIL3 - PR, Maximum Height .0236" [0.6mm], Reverse Type**

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	

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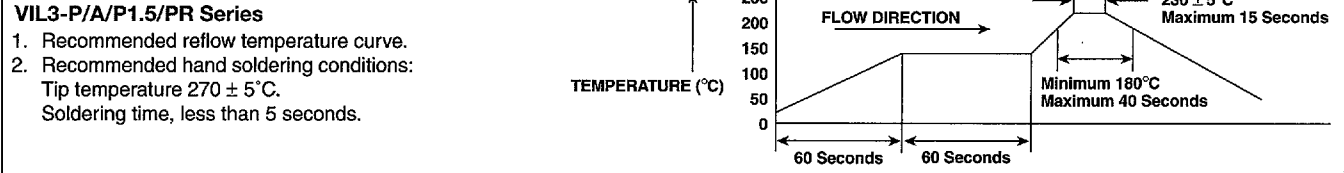
**VIL3 SERIES - CONDITIONS AND PRECAUTIONS [NUMBERS IN BRACKETS INDICATE MILLIMETERS]**

**MOUNTING PATTERN**  
Recommended Pattern:

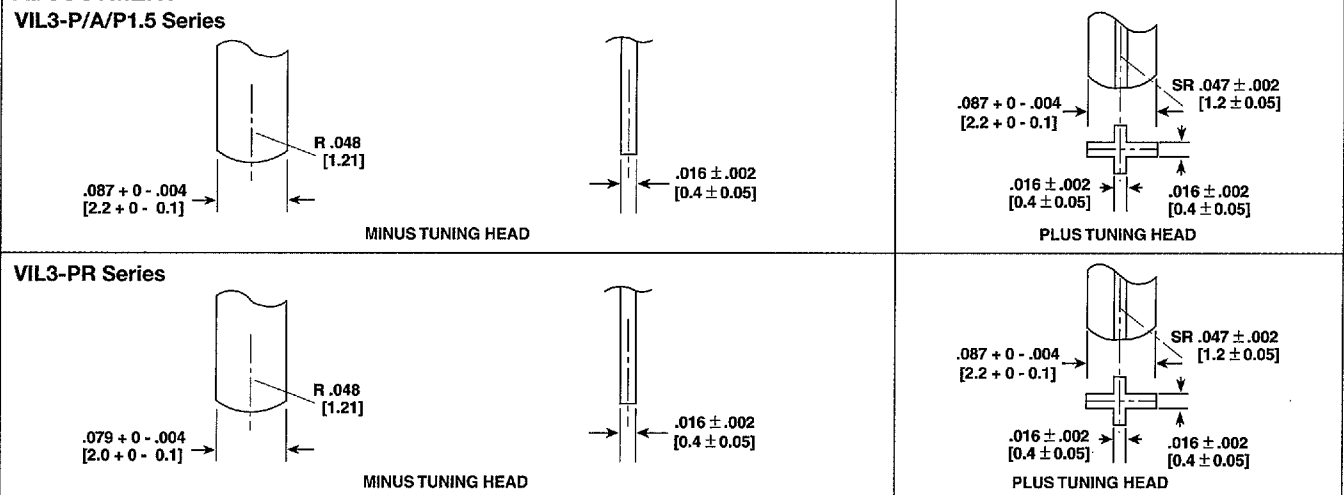


1. Determine if there is adequate room for mounting according to pattern dimensions and set pattern dimensions.
2. Connect stator terminal to voltage, rotor terminal to ground.
3. Make sure that the solder cream for coating is sufficient. (We recommend 150µm.)
4. Take caution that the solder flux and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

**SOLDERING**



**ADJUSTMENT**



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**

