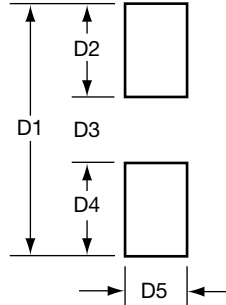


# Recommended Mounting Pad Dimensions for U Series Capacitors



These diagrams show the recommended pad layout dimensions for the AVX U series range of RF/Microwave capacitors.



Dimensions in millimeters (inches)

Case Size	D1	D2	D3	D4	D5
<b>0402</b>	1.70 (0.067)	0.60 (0.024)	0.50 (0.020)	0.60 (0.024)	0.50 (0.020)
<b>0603</b>	2.30 (0.091)	0.80 (0.031)	0.70 (0.028)	0.80 (0.031)	0.75 (0.030)
<b>0805</b>	3.00 (0.118)	1.00 (0.039)	1.00 (0.039)	1.00 (0.039)	1.25 (0.049)
<b>1210</b>	4.00 (0.157)	1.00 (0.039)	2.00 (0.079)	1.00 (0.039)	2.50 (0.098)

## Component Pad Design

Component pads should be designed to achieve good solder fillets and minimize component movement during reflow soldering. Pad designs are given below for the most common sizes of multilayer ceramic capacitors for both wave and reflow soldering. The basis of these designs is:

- Pad width equal to component width. It is permissible to decrease this to as low as 85% of component width but it is not advisable to go below this.
- Pad overlap 0.5mm beneath component.
- Pad extension 0.5mm beyond components for reflow and 1.0mm for wave soldering.

NOTICE: Specifications are subject to change without notice. Contact your nearest AVX Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all applications.

© AVX Corporation

### AMERICAS

**AVX Myrtle Beach, SC**  
Corporate Offices  
Tel: 843-448-9411  
FAX: 843-448-1943

**AVX Northwest, WA**  
Tel: 360-699-8746  
FAX: 360-699-8751

**AVX North Central, IN**  
Tel: 317-848-7153  
FAX: 317-844-9314

**AVX Mid/Pacific, CA**  
Tel: 510-661-4100  
FAX: 510-661-4101

**AVX Midwest, MN**  
Tel: 952-974-9155  
FAX: 952-974-9179

**AVX Northeast, MA**  
Tel: 617-479-0345  
FAX: 843-916-7614

**AVX Southwest, AZ**  
Tel: 602-678-0384  
FAX: 602-678-0385

**AVX South Central, TX**  
Tel: 214-566-2859  
FAX: 972-461-0575

**AVX Southeast, GA**  
Tel: 404-608-8151  
FAX: 770-972-0766

**AVX Canada**  
Tel: 905-238-3151  
FAX: 905-238-0319

**AVX South America**  
Tel: ++55-11-2193-7200  
FAX: ++55-11-2193-7210

### EUROPE

**AVX Limited, England**  
European Headquarters  
Tel: ++44 (0) 1252-770000  
FAX: ++44 (0) 1252-770001

**AVX/ELCO, England**  
Tel: ++44 (0) 1638-675000  
FAX: ++44 (0) 1638-675002

**AVX S.A., France**  
Tel: ++33 (1) 69-18-46-00  
FAX: ++33 (1) 69-28-73-87

**AVX GmbH, Germany**  
Tel: ++49 (0) 8131-9004-0  
FAX: ++49 (0) 8131-9004-44

**AVX srl, Italy**  
Tel: ++390 (0)2 614-571  
FAX: ++390 (0)2 614-2576

**AVX Czech Republic**  
Tel: ++420 57 57 57 521  
FAX: ++420 57 57 57 109

### ASIA-PACIFIC

**AVX/Kyocera, Singapore**  
Asia-Pacific Headquarters  
Tel: (65) 6286-7555  
FAX: (65) 6488-9880

**AVX/Kyocera, Hong Kong**  
Tel: (852) 2-363-3303  
FAX: (852) 2-765-8185

**AVX/Kyocera, Korea**  
Tel: (82) 2-785-6504  
FAX: (82) 2-784-5411

**AVX/Kyocera, Taiwan**  
Tel: (886) 2-2698-8778  
FAX: (886) 2-2698-8777

**AVX/Kyocera, Malaysia**  
Tel: (60) 4-228-1190  
FAX: (60) 4-228-1196

**Elco, Japan**  
Tel: 045-943-2906/7  
FAX: 045-943-2910

**Kyocera, Japan - AVX**  
Tel: (81) 75-604-3426  
FAX: (81) 75-604-3425

**Kyocera, Japan - KDP**  
Tel: (81) 75-604-3424  
FAX: (81) 75-604-3425

**AVX/Kyocera, Shanghai, China**  
Tel: 86-21 6341 0300  
FAX: 86-21 6341 0330

**AVX/Kyocera, Beijing, China**  
Tel: 86-10 8458 3385  
FAX: 86-10 8458 3382

### ASIA-KED

**KED, Hong Kong**  
Tel: (852) 2305 1080  
FAX: (852) 2305 1405

**KED, Shanghai**  
Tel: (86) 21 6859 9898  
FAX: (86) 21 5887 2542

**KED, Beijing**  
Tel: (86) 10 5869 4655  
FAX: (86) 10 5869 4677

**KED, South Korea**  
Tel: (82) 2 783 3288  
FAX: (82) 2 783 3207

**KED, Taiwan**  
Tel: (886) 2 2950 0268  
FAX: (886) 2 2950 0520

**KED, Singapore**  
Tel: (65) 6255 3122  
FAX: (65) 6255 5092



A KYOCERA GROUP COMPANY

<http://www.avx.com>

S-PDUS00M107-C