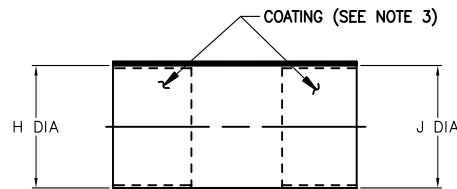
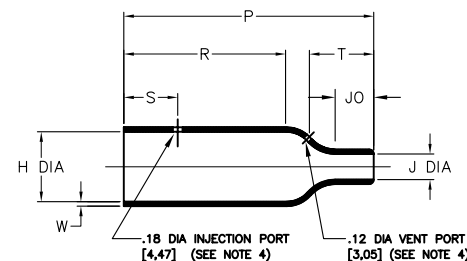


## NOTES

- ALL DIMENSIONS ARE IN  $\frac{\text{INCHES}}{[\text{MILLIMETERS}]}$
- DIMENSIONS APPEARING IN TABLE ARE AS FOLLOWS:
  - AS SUPPLIED
  - AFTER UNRESTRICTED RECOVERY
- COATING (ADHESIVE) IS OPTIONAL. AS SUPPLIED DIMENSIONS APPEARING IN TABLE ARE FOR UNCOATED PARTS. WHEN COATING IS ADDED, ENTRY DIAMETERS WILL BE REDUCED BY .06 MAX.
- MOLDING PORTS ARE OPTIONAL. WHEN -00 MODIFICATION NUMBER IS SPECIFIED MOLDING PORTS WILL BE LOCATED AS SHOWN.
- 8 MATERIAL IS NOT AVAILABLE ON 202A163, 202A174, 202A185 AND 202A196



AS SUPPLIED



AFTER UNRESTRICTED RECOVERY

TABLE OF DIMENSIONS

| PART NUMBER | H                     |                                   |                |                | J                     |                                   |                |                | P               | R               | S              | T              | JO             | W             |
|-------------|-----------------------|-----------------------------------|----------------|----------------|-----------------------|-----------------------------------|----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|---------------|
|             | Min<br>-3,-4,-25<br>a | Min<br>-3,-8-12,<br>-45,-100<br>a | Min<br>-6<br>a | Max<br>b       | Min<br>-3,-4,-25<br>a | Min<br>-3,-8-12,<br>-45,-100<br>a | Min<br>-6<br>a | Max<br>b       | ±10%<br>b       | ±10%<br>b       | Ref<br>b       | Ref<br>b       | Ref<br>b       | ±20%<br>b     |
| 202A111     | .65<br>[16,5]         | .65<br>[16,5]                     | .65<br>[16,5]  | .31<br>[7,9]   | .65<br>[16,5]         | .47<br>[11,9]                     | .65<br>[16,5]  | .15<br>[3,8]   | 1.00<br>[25,4]  | .56<br>[14,2]   | .50<br>[12,7]  | N/A            | .23<br>[5,8]   | .05<br>[1,27] |
| 202A121     | .97<br>[24,6]         | .89<br>[22,6]                     | .92<br>[23,4]  | .39<br>[9,9]   | .97<br>[24,6]         | .70<br>[17,8]                     | .92<br>[23,4]  | .21<br>[5,3]   | 1.50<br>[38,1]  | .86<br>[21,8]   | .60<br>[15,2]  | N/A            | .36<br>[9,1]   | .06<br>[1,52] |
| 202A132     | 1.12<br>[28,4]        | 1.03<br>[26,2]                    | 1.05<br>[26,7] | .56<br>[14,2]  | 1.12<br>[28,4]        | .80<br>[20,3]                     | 1.05<br>[26,7] | .26<br>[6,6]   | 2.02<br>[51,3]  | 1.10<br>[27,9]  | .75<br>[19,1]  | .63<br>[16,0]  | .51<br>[13,0]  | .07<br>[1,78] |
| 202A142     | 1.22<br>[31,0]        | 1.22<br>[31,0]                    | 1.22<br>[31,0] | .70<br>[17,8]  | 1.22<br>[31,0]        | 1.00<br>[25,4]                    | 1.22<br>[31,0] | .29<br>[7,4]   | 2.63<br>[66,8]  | 1.40<br>[35,6]  | .75<br>[19,1]  | .87<br>[22,1]  | .70<br>[17,8]  | .07<br>[1,78] |
| 202A153     | 1.42<br>[36,0]        | 1.42<br>[36,0]                    | 1.42<br>[36,0] | .86<br>[21,9]  | 1.42<br>[36,0]        | 1.03<br>[26,2]                    | 1.42<br>[36,0] | .34<br>[8,6]   | 2.90<br>[73,7]  | 1.63<br>[41,4]  | .75<br>[19,1]  | .87<br>[22,1]  | .63<br>[16,0]  | .07<br>[1,78] |
| * 202A163   | 1.68<br>[42,7]        | 1.68<br>[42,7]                    | 1.68<br>[42,7] | 1.08<br>[27,4] | 1.68<br>[42,7]        | 1.07<br>[27,2]                    | 1.68<br>[42,7] | .37<br>[9,4]   | 3.90<br>[99,1]  | 2.47<br>[62,7]  | .75<br>[19,1]  | .99<br>[25,2]  | .71<br>[18,0]  | .08<br>[2,03] |
| * 202A174   | 2.04<br>[51,8]        | 1.90<br>[48,3]                    | 2.04<br>[51,8] | 1.39<br>[35,3] | 2.04<br>[51,8]        | 1.90<br>[48,3]                    | 2.04<br>[51,8] | .63<br>[16,0]  | 5.13<br>[130,3] | 2.55<br>[64,8]  | 1.00<br>[25,4] | 2.00<br>[50,8] | 1.65<br>[41,9] | .13<br>[3,30] |
| * 202A185   | 2.60<br>[66,0]        | 2.60<br>[66,0]                    | 2.60<br>[66,0] | 1.72<br>[43,7] | 2.60<br>[66,0]        | 2.13<br>[54,1]                    | 2.60<br>[66,0] | .77<br>[19,6]  | 6.35<br>[161,3] | 3.55<br>[90,2]  | 1.00<br>[25,4] | 2.15<br>[54,6] | 1.88<br>[47,8] | .15<br>[3,81] |
| * 202A196   | 3.40<br>[86,4]        | 3.40<br>[86,4]                    | 3.40<br>[86,4] | 2.25<br>[57,2] | 3.40<br>[86,4]        | 2.81<br>[71,4]                    | 3.40<br>[86,4] | 1.06<br>[26,9] | 8.37<br>[212,6] | 4.45<br>[113,0] | 1.00<br>[25,4] | 3.15<br>[80,0] | 2.45<br>[62,2] | .16<br>[4,06] |

## CUSTOMER DRAWING

|                                                                                               |  |                           |                    |                                                      |                                                                     |  |
|-----------------------------------------------------------------------------------------------|--|---------------------------|--------------------|------------------------------------------------------|---------------------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE INCHES.<br>METRIC DIMENSIONS ARE IN<br>BRACKETS. |  | DRAWN<br>UNGUYEN          | DATE<br>05/21/2008 |                                                      | Raychem Molded Parts<br>305 Constitution Dr<br>Menlo Park, CA 94025 |  |
| DECIMAL TOLERANCES<br>.XXX ± 0.005 [0.13 mm]<br>.XX ± 0.01 [0.25 mm]<br>.X ± 0.1 [0.50 mm]    |  | RPN                       |                    |                                                      | TITLE<br>BOOT, STRAIGHT,<br>OVEREXPANDED                            |  |
| ANGLE TOLERANCE<br>.X ± 1 DEG.                                                                |  | THIRD ANGLE<br>PROJECTION |                    | SIZE B CODE IDENT. NO. 06090 DWG. NO. 202A111thru196 |                                                                     |  |
| © 2004-2008 Tyco Electronics Corporation. All rights reserved.                                |  |                           |                    | DO NOT SCALE THIS DRAWING                            |                                                                     |  |
|                                                                                               |  |                           |                    | SHEET 1 OF 2                                         |                                                                     |  |

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## COMPATIBILITY CHART

| MATERIAL DASH NO. | MATERIAL DESCRIPTION                 | RT SPEC | COATING SLASH NO. | COATING SPEC           | COATING DESCRIPTION |
|-------------------|--------------------------------------|---------|-------------------|------------------------|---------------------|
| -3                | POLYOLEFIN, SEMI-RIGID               | RT-301  | /42; /86          | S-1017; S-1048         | ADHESIVE            |
| -4                | POLYOLEFIN, FLEXIBLE                 | RT-1304 | /164; /86; /180   | S-1017; S-1048; S-1030 | ADHESIVE            |
| -5                | ELASTOMER, FLEXIBLE                  | RT-501  | /42,              | S-1017                 | ADHESIVE            |
| -6                | SILICONE                             | RT-602  | N/A               |                        |                     |
| -8                | POLYOLEFIN, SPACE                    | RT-1308 | N/A               |                        |                     |
| -12               | FLUOROELASTOMER                      | RT-1312 | N/A               |                        |                     |
| -25               | ELASTOMER, FLUID RESISTANT           | RT-1325 | /42; /86; /225    | S-1017; S-1048; S-1206 | ADHESIVE            |
| -49               | E.P.R FLEXIBLE                       | RT-1320 |                   |                        |                     |
| -100              | POLYOLEFIN, SEMI-FLEXIBLE<br>ZEROHAL | RT-1323 | /180; /184; /86   | S-1030; S-1048         | ADHESIVE            |

## ORDERING INFORMATION

BASE PART NUMBER \_\_\_\_\_

MATERIAL DASH NUMBER \_\_\_\_\_  
(SEE COMPATIBILITY CHART)

MODIFICATION NUMBER \_\_\_\_\_

ADHESIVE SLASH NUMBER \_\_\_\_\_  
(IF NECESSARY, SEE COMPATIBILITY CHART)

202A1XX -XXX -XX /XX

## CUSTOMER DRAWING

| SIZE                      | DWG. NO. | REV | DWG. NO.       |
|---------------------------|----------|-----|----------------|
| B                         | 06090    | W   | 202A111thru196 |
| DO NOT SCALE THIS DRAWING |          |     | SHEET 2 OF 2   |

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