

# ZPMV2.E92481 - Wiring, Printed - Component

## Wiring, Printed - Component

**CIRCUITECH PRECISION ELECTRONICS INC**  
 CHUNG LI INDUSTRIAL PARK  
 6 AN TUNG RD  
 CHUNG LI, TAOYUAN HSIEN 320 Taiwan

E92481

| Type  | Cond Width |         | Cond Thk   | SS/ DS/ DSO | Max Area Diam mm | Report Date | Surface Mount Technology | Assembly Solder |                | Solder Limits |     | Max Oper |             | Meets UL796 DSR | C T |
|---|------------|---------|------------|-------------|------------------|-------------|--------------------------|-----------------|----------------|---------------|-----|----------|-------------|-----------------|-----|
|   | Min mm     | Edge mm |            |             |                  |             |                          | Process Temp °C | Process Cycles | °C            | sec | Temp °C  | Flame Class |                 |     |
| <b>Mass laminated (multilayered) printed wiring boards</b>  |            |         |            |             |                  |             |                          |                 |                |               |     |          |             |                 |     |
| MS01  | 0.04       | 0.12    | 17         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| <b>Multilayer metal base printed wiring board, employing metal base laminate</b>                                  |            |         |            |             |                  |             |                          |                 |                |               |     |          |             |                 |     |
| 2CV0&   | 0.24       | 0.24    | 34 Int:102 | SS          | 89               | No          | -                        | -               | -              | 300           | 60  | 110      | V-0         | -               | -   |
| <b>Multilayer printed wiring boards</b>   |            |         |            |             |                  |             |                          |                 |                |               |     |          |             |                 |     |
| 002V0   | 0.1        | 0.3     | 34 Int:34  | DS          | 25.4             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| 005V0   | 0.076      | 0.22    | 17 Int:210 | DS          | 76.2             | No          | -                        | -               | -              | 288           | 15  | 130      | V-0         | All             | -   |
| 008V0   | 0.04       | 0.04    | 12 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| 008V2   | 0.06       | 0.06    | 17 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 120      | V-0         | All             | 1   |
| 008V3   | 0.06       | 0.12    | 12 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | 3   |
| 008V5   | 0.06       | 0.12    | 12 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | 2   |
| 008V6   | 0.04       | 0.12    | 17 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| 008V8   | 0.1        | 0.225   | 15 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 288           | 10  | 130      | V-0         | All             | 3   |
| 008VA   | 0.065      | 0.15    | 11 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | *   |
| 008VB   | 0.06       | 0.06    | 11 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | *   |
| 008VC   | 0.04       | 0.04    | 12 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 125      | V-0         | All             | 3   |
| 008VD (ASP 1)   | 0.04       | 0.04    | 11 Int:34  | DS          | 76.2             | Yes         | Yes                      | 260             | 6              | -             | -   | 120      | V-0         | All             | 1   |
| 008VG   | 0.04       | 0.04    | 12 Int:34  | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| 009V0   | 0.10       | 0.30    | 17 Int:68  | DS          | 50.8             | No          | -                        | -               | -              | 288           | 20  | 90       | V-0         | All             | -   |
| 6CV0  | 0.2        | 0.2     | 17 Int:210 | DS          | 89               | No          | -                        | -               | -              | 300           | 60  | 130      | V-0         | All             | -   |
| <b>Single layer metal base printed wiring board, employing metal base laminate</b>                                |            |         |            |             |                  |             |                          |                 |                |               |     |          |             |                 |     |
| 1PV0 ! \$&  | 0.20       | 0.20    | 34         | SS          | 89               | No          | -                        | -               | -              | 300           | 60  | 110      | V-0         | -               | -   |
| 3CV0 %&   | 0.20       | 0.20    | 17         | DS          | 77               | No          | -                        | -               | -              | 300           | 60  | 110      | V-0         | -               | -   |
| A5V0&   | 0.10       | 0.30    | 17         | SS          | 50.8             | No          | -                        | -               | -              | 300           | 60  | 90       | V-0         | -               | -   |
| <b>Single layer metal base printed wiring board, employing metal base laminate, flammability only Recognition</b> |            |         |            |             |                  |             |                          |                 |                |               |     |          |             |                 |     |
| ITV0&   | -          | -       | -          | SS          | -                | No          | -                        | -               | -              | 300           | 60  | -        | V-0         | -               | -   |
| <b>Single layer printed wiring boards</b>   |            |         |            |             |                  |             |                          |                 |                |               |     |          |             |                 |     |
| 001V0   | 0.1        | 0.3     | 33         | DS          | 25.4             | No          | -                        | -               | -              | 274           | 10  | 130      | V-0         | All             | -   |
| 003V0   | 0.04       | 0.04    | 12         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| 003V2   | 0.06       | 0.06    | 17         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 120      | V-0         | All             | 1   |
| 003V6   | 0.04       | 0.12    | 17         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |
| 003VA   | 0.065      | 0.15    | 11         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | *   |
| 003VB   | 0.06       | 0.06    | 11         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | *   |
| 003VC   | 0.04       | 0.04    | 12         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 125      | V-0         | All             | 3   |
| 003VD (ASP 1)   | 0.04       | 0.04    | 11         | DS          | 76.2             | Yes         | Yes                      | 260             | 6              | -             | -   | 120      | V-0         | All             | 1   |
| 003VG   | 0.04       | 0.04    | 12         | DS          | 76.2             | No          | -                        | -               | -              | 280           | 10  | 130      | V-0         | All             | -   |

\* - CTI marking is optional and may be marked on the printed wiring board.  
 ! - For type 1PV0: When External Cu thickness is 210 mic.Min. Width = 0.40 mm; Min. Edge Width = 0.40 mm.  
 # - For type 005V0: Min. external Cu thickness: 17 mics, Min. width = 0.076 mm, Min. edge width = 0.22 mm.  
 \$ - For type 1PV0: Max. external Cu thickness: 210 mic, Min width =0.40 mm, Min. edge width =0.40mm  
 % - For type 3CV0:When External Cu thickness is 17~102 mic.Min. Width = 0.20 mm; Min. Edge Width = 0.20 mm. When External Cu thickness is 103~210 mic.Min. Width = 0.30 mm; Min. Edge Width = 0.35 mm.  
 & - Copper metal base for type 3CV0; Aluminum metal base for types 1PV0, 2CV0, ITV0, and A5V0  
 (ASP 1) - Assembly solder process evaluated to IPC-TM-650, 2.6.27 Thermal Stress Assembly Simulation

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