



Innovation Resulting in Cost Reduction

M-Pulse Microwave Inc.  
 576 Charcot Ave.  
 San Jose, Ca, 95131  
 Tel: (408) 432-1480  
 Fax:(408) 432-1480  
 www.mpulsemw.com

| Step Recovery Diodes |            |   |   |   |                              |                              |                           |                    |
|----------------------|------------|---|---|---|------------------------------|------------------------------|---------------------------|--------------------|
| Part Number          | Case Style | Vbr(min)<br>I <sub>r</sub> = 10 <sub>μ</sub> A<br>(volts) | C <sub>j6</sub> (min/max) @ 6V<br>f = 1 MHz<br>(pF) | R <sub>s</sub> (typ) @<br>I <sub>f</sub> = 100mA<br>Ω | t <sub>1</sub> (typ)<br>(pS) | t <sub>L</sub> (typ)<br>(nS) | θ <sub>jc</sub><br>(°C/W) | Max Freq.<br>(GHz) |
| MP4021               | C14        | 20  | 0.2 - 0.5   | 0.8   | 50                           | 15                           | 60                        | 20                 |
| MP4022               | P2         | 20  | 0.2 - 0.5   | 0.8   | 50                           | 15                           | 60                        | 20                 |
| MP4023               | E1         | 20  | 0.2 - 0.5   | 0.8   | 50                           | 15                           | 60                        | 20                 |
| MP4025               | G1         | 20  | 0.2 - 0.5   | 0.8   | 50                           | 15                           | 60                        | 18                 |
| MP4026               | E105       | 20  | .2 - .5   | 0.8   | 50                           | 15                           | 60                        | 20                 |
| Mp4031               | C10        | 30  | 0.5 - 1.0   | 0.6   | 70                           | 30                           | 45                        | 14                 |
| MP4032               | P2         | 30  | 0.5 - 1.0   | 0.6   | 70                           | 30                           | 45                        | 14                 |
| MP4033               | E1         | 30  | 0.5 - 1.0   | 0.6   | 70                           | 30                           | 45                        | 14                 |
| MP4035               | G1         | 30  | 0.5 - 1.0   | 0.6   | 70                           | 30                           | 45                        | 12                 |
| MP4036               | E105       | 30  | .5 - 1.0  | 0.6   | 70                           | 30                           | 45                        | 14                 |
| Mp4041               | C10        | 40  | 1.0 - 2.0   | 0.5   | 120                          | 60                           | 25                        | 8                  |
| MP4042               | P2         | 40  | 1.0 - 2.0   | 0.5   | 120                          | 60                           | 25                        | 8                  |
| MP4043               | E1         | 40  | 1.0 - 2.0   | 0.5   | 120                          | 60                           | 25                        | 8                  |
| MP4045               | G1         | 40  | 1.0 - 2.0   | 0.5   | 120                          | 60                           | 25                        | 8                  |
| MP4046               | E105       | 40  | 1.0 - 2.0   | 0.5   | 120                          | 60                           | 25                        | 8                  |
| Mp4061               | C15        | 60  | 2.0 - 4.0   | 0.3   | 240                          | 120                          | 15                        | 4                  |
| MP4062               | P2         | 60  | 2.0 - 4.0   | 0.3   | 240                          | 120                          | 15                        | 4                  |
| MP4063               | E1         | 60  | 2.0 - 4.0   | 0.3   | 240                          | 120                          | 15                        | 4                  |
| MP4065               | G1         | 60  | 2.0 - 4.0   | 0.3   | 240                          | 120                          | 15                        | 4                  |
| MP4066               | E105       | 60  | 2.0 - 4.0   | 0.3   | 240                          | 120                          | 15                        | 4                  |