



Micro Commercial Components  
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# P4SMAJ5.0 THRU P4SMAJ170CA

## Features

- For Surface Mount Applications
- Unidirectional And Bidirectional
- Low Inductance
- High Temp Soldering: 250°C for 10 Seconds At Terminals
- For Bidirectional Devices Add "C" To The Suffix Of The Part Number: i.e. P4SMAJ5.0C or P4SMAJ5.0CA for 5% Tolerance

**400 Watt  
 Transient Voltage  
 Suppressors  
 5.0 to 170 Volts**

## Mechanical Data

- Case: JEDEC DO-214AC
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: Indicated by cathode band except bi-directional types

## Maximum Rating:

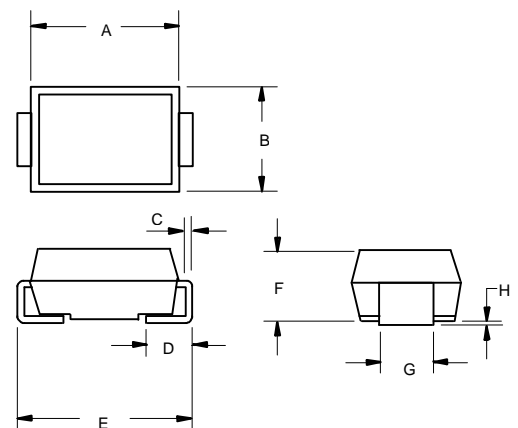
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Typical Thermal Resistance: 25°C/W Junction to Ambient

|  |                    |             |           |
|--|--------------------|-------------|-----------|
| Peak Pulse Current on 10/1000µs Waveform | I <sub>PPM</sub>   | See Table 1 | Note 1    |
| Peak Pulse Power Dissipation             | P <sub>PPM</sub>   | Min 400 W   | Note 1, 5 |
| Steady State Power Dissipation           | P <sub>M(AV)</sub> | 1.0 W       | Note 2, 4 |
| Peak Forward Surge Current               | I <sub>FSM</sub>   | 40A         | Note:4    |

Notes: 1. Non-repetitive current pulse, per Fig.3 and derated above T<sub>A</sub>=25°C per Fig.2.

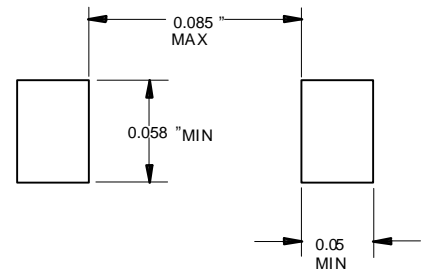
2. Mounted on 5.0mm<sup>2</sup> copper pads to each terminal.
3. 8.3ms, single half sine wave duty cycle = 4 pulses per Minutes maximum.
4. Lead temperature at T<sub>L</sub> = 75°C.
5. Peak pulse power waveform is 10/1000µs.

## DO-214AC (SMAJ)(LEAD FRAME)



| DIM | INCHES |      | MM    |       | NOTE |
|-----|--------|------|-------|-------|------|
|     | MIN    | MAX  | MIN   | MAX   |      |
| A   | .157   | .181 | 4.00  | 4.60  |      |
| B   | .098   | .114 | 2.50  | 2.90  |      |
| C   | .006   | .012 | 0.152 | 0.305 |      |
| D   | .030   | .060 | 0.76  | 1.52  |      |
| E   | .188   | .208 | 4.80  | 5.28  |      |
| F   | .078   | .096 | 2.00  | 2.44  |      |
| G   | .055   | .062 | 1.40  | 1.60  |      |
| H   | .002   | .008 | 0.051 | 0.203 |      |

## SUGGESTED SOLDER PAD LAYOUT



# P4SMAJ5.0 thru P4SMAJ170CA

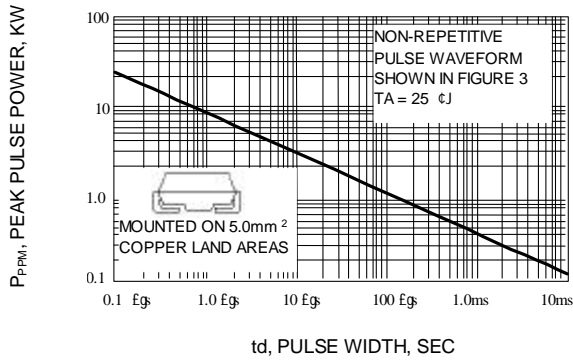


Fig. 1-PEAK PULSE POWER RATING CURVE

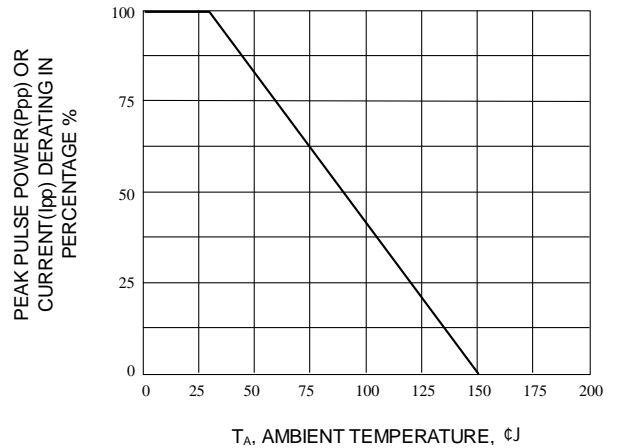


Fig. 2-PULSE RATING CURVE

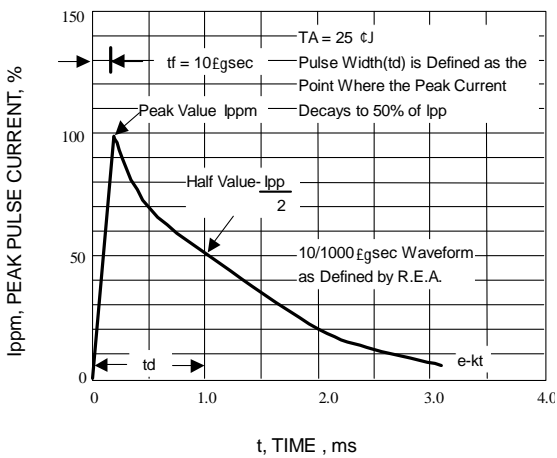


Fig. 3-PULSE WAVEFORM

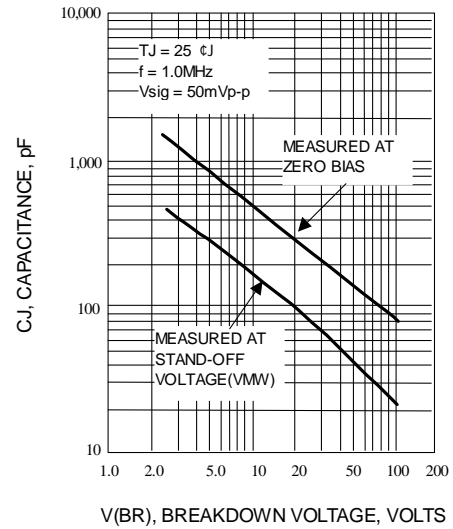


Fig. 4-TYPICAL JUNCTION CAPACITANCE

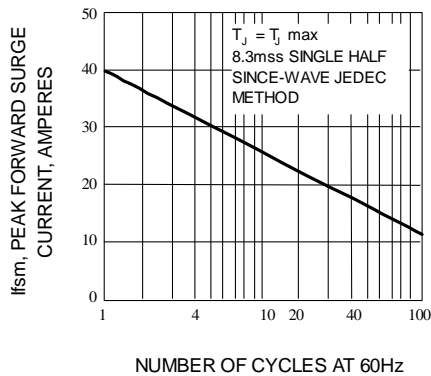


Fig. 5-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

# P4SMAJ5.0 thru P4SMAJ170CA

## ELECTRICAL CHARACTERISTICS @25°C

| MCC<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE<br>$V_{WM}$ | BREAKDOWN VOLTAGE<br>$V_{(BR)} @ I_T$<br>(VOLTS) |      |            | MAXIMUM<br>CLAMPING<br>VOLTAGE @<br>$I_{PP}$ | PEAK PULSE<br>CURRENT<br>$I_{PP}$ | MAXIMUM<br>REVERSE<br>LEAKAGE<br>@ $V_{WM}$<br>$I_b$ | MARKING<br>CODE |
|--------------------|---|--|------|------------|--|-----------------------------------|--|-----------------|
|                    | (VOLTS)                                     | MIN  | MAX  | $I_T$ (mA) | (VOLTS)                                      | (AMPS)                            | ( $\mu$ A)   |                 |
| P4SMAJ5.0          | 5.0   | 6.40   | 7.30 | 10         | 9.6  | 41.6                              | 800  | HD              |
| P4SMAJ5.0A         | 5.0   | 6.40   | 7.00 | 10         | 9.2  | 43.5                              | 800  | HE              |
| P4SMAJ6.0          | 6.0   | 6.67   | 8.15 | 10         | 11.4   | 35.1                              | 800  | HF              |
| P4SMAJ6.0A         | 6.0   | 6.67   | 7.37 | 10         | 10.3   | 38.8                              | 800  | HG              |
| P4SMAJ6.5          | 6.5   | 7.22   | 8.82 | 10         | 12.3   | 32.5                              | 500  | HH              |
| P4SMAJ6.5A         | 6.5   | 7.22   | 7.98 | 10         | 11.2   | 35.7                              | 500  | HK              |
| P4SMAJ7.0          | 7.0   | 7.78   | 9.51 | 10         | 13.3   | 30.1                              | 200  | HL              |
| P4SMAJ7.0A         | 7.0   | 7.78   | 8.60 | 10         | 12.0   | 33.3                              | 200  | HM              |
| P4SMAJ7.5          | 7.5   | 8.33   | 10.2 | 1          | 14.3   | 28.0                              | 100  | HN              |
| P4SMAJ7.5A         | 7.5   | 8.33   | 9.21 | 1          | 12.9   | 31.0                              | 100  | HP              |
| P4SMAJ8.0          | 8.0   | 8.89   | 10.9 | 1          | 15.0   | 26.5                              | 50   | HQ              |
| P4SMAJ8.0A         | 8.0   | 8.89   | 9.83 | 1          | 13.6   | 29.4                              | 50   | HR              |
| P4SMAJ8.5          | 8.5   | 9.44   | 11.5 | 1          | 15.9   | 25.1                              | 10   | HS              |
| P4SMAJ8.5A         | 8.5   | 9.44   | 10.4 | 1          | 14.4   | 27.7                              | 10   | HT              |
| P4SMAJ9.0          | 9.0   | 10.0   | 12.2 | 1          | 16.9   | 23.6                              | 5  | HU              |
| P4SMAJ9.0A         | 9.0   | 10.0   | 11.1 | 1          | 15.4   | 26.0                              | 5  | HV              |
| P4SMAJ10           | 10  | 11.1   | 13.6 | 1          | 18.8   | 21.2                              | 5  | HW              |
| P4SMAJ10A          | 10  | 11.1   | 12.3 | 1          | 17.0   | 23.5                              | 5  | HX              |
| P4SMAJ11           | 11  | 12.2   | 14.9 | 1          | 20.1   | 20.0                              | 5  | HY              |
| P4SMAJ11A          | 11  | 12.2   | 13.5 | 1          | 18.2   | 22.0                              | 5  | HZ              |
| P4SMAJ12           | 12  | 13.3   | 16.3 | 1          | 22.0   | 18.1                              | 5  | ID              |
| P4SMAJ12A          | 12  | 13.3   | 14.7 | 1          | 19.9   | 20.1                              | 5  | IE              |
| P4SMAJ13           | 13  | 14.4   | 17.6 | 1          | 23.8   | 16.8                              | 5  | IF              |
| P4SMAJ13A          | 13  | 14.4   | 15.9 | 1          | 21.5   | 18.6                              | 5  | IG              |
| P4SMAJ14           | 14  | 15.6   | 19.1 | 1          | 25.8   | 15.5                              | 5  | IH              |
| P4SMAJ14A          | 14  | 15.6   | 17.2 | 1          | 23.2   | 17.2                              | 5  | IK              |
| P4SMAJ15           | 15  | 16.7   | 20.4 | 1          | 26.9   | 14.8                              | 5  | IL              |
| P4SMAJ15A          | 15  | 16.7   | 18.5 | 1          | 24.4   | 16.4                              | 5  | IM              |
| P4SMAJ16           | 16  | 17.8   | 21.8 | 1          | 28.8   | 13.8                              | 5  | IN              |
| P4SMAJ16A          | 16  | 17.8   | 19.7 | 1          | 26.0   | 15.3                              | 5  | IP              |
| P4SMAJ17           | 17  | 18.9   | 23.1 | 1          | 30.5   | 13.1                              | 5  | IQ              |
| P4SMAJ17A          | 17  | 18.9   | 20.9 | 1          | 27.6   | 14.5                              | 5  | IR              |
| P4SMAJ18           | 18  | 20.0   | 24.4 | 1          | 32.2   | 12.4                              | 5  | IS              |
| P4SMAJ18A          | 18  | 20.0   | 22.1 | 1          | 29.2   | 13.7                              | 5  | IT              |
| P4SMAJ20           | 20  | 22.2   | 27.1 | 1          | 35.8   | 11.1                              | 5  | IU              |
| P4SMAJ20A          | 20  | 22.2   | 24.5 | 1          | 32.4   | 12.3                              | 5  | IV              |

# P4SMAJ5.0 thru P4SMAJ170CA



## ELECTRICAL CHARACTERISTICS @25°C

| MCC<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE<br>$V_{WM}$ | BREAKDOWN VOLTAGE<br>$V_{(BR)}$ @ $I_T$<br>(VOLTS) |      |            | MAXIMUM<br>CLAMPING<br>VOLTAGE @<br>$I_{PP}$ | PEAK PULSE<br>CURRENT<br>$I_{PP}$ | MAXIMUM<br>REVERSE<br>LEAKAGE<br>@ $V_{WM}$<br>$I_b$ | MARKING<br>CODE |
|--------------------|---|--|------|------------|--|-----------------------------------|--|-----------------|
|                    | (VOLTS)                                     | MIN  | MAX  | $I_T$ (mA) | (VOLTS)                                      | (AMPS)                            | ( $\mu$ A)   |                 |
| P4SMAJ22           | 22  | 24.4   | 29.8 | 1          | 39.4   | 10.1                              | 5  | IW              |
| P4SMAJ22A          | 22  | 24.4   | 26.9 | 1          | 35.5   | 11.2                              | 5  | IX              |
| P4SMAJ24           | 24  | 26.7   | 32.6 | 1          | 43.0   | 9.3                               | 5  | IY              |
| P4SMAJ24A          | 24  | 26.7   | 29.5 | 1          | 38.9   | 10.3                              | 5  | IZ              |
| P4SMAJ26           | 26  | 28.9   | 35.3 | 1          | 46.6   | 8.6                               | 5  | JD              |
| P4SMAJ26A          | 26  | 28.9   | 31.9 | 1          | 42.1   | 9.5                               | 5  | JE              |
| P4SMAJ28           | 28  | 31.1   | 38.0 | 1          | 50.0   | 8.0                               | 5  | JF              |
| P4SMAJ28A          | 28  | 31.1   | 34.4 | 1          | 45.4   | 8.8                               | 5  | JG              |
| P4SMAJ30           | 30  | 33.3   | 40.7 | 1          | 53.5   | 7.5                               | 5  | JH              |
| P4SMAJ30A          | 30  | 33.3   | 36.8 | 1          | 48.4   | 8.3                               | 5  | JK              |
| P4SMAJ33           | 33  | 36.7   | 44.9 | 1          | 59.0   | 6.8                               | 5  | JL              |
| P4SMAJ33A          | 33  | 36.7   | 40.6 | 1          | 53.3   | 7.5                               | 5  | JM              |
| P4SMAJ36           | 36  | 40.0   | 48.9 | 1          | 64.3   | 6.2                               | 5  | JN              |
| P4SMAJ36A          | 36  | 40.0   | 44.2 | 1          | 58.1   | 6.9                               | 5  | JP              |
| P4SMAJ40           | 40  | 44.4   | 54.3 | 1          | 71.4   | 5.6                               | 5  | JQ              |
| P4SMAJ40A          | 40  | 44.4   | 49.1 | 1          | 64.5   | 6.2                               | 5  | JR              |
| P4SMAJ43           | 43  | 47.8   | 58.4 | 1          | 76.7   | 5.2                               | 5  | JS              |
| P4SMAJ43A          | 43  | 47.8   | 52.8 | 1          | 69.4   | 5.7                               | 5  | JT              |
| P4SMAJ45           | 45  | 50.0   | 61.1 | 1          | 80.3   | 5.0                               | 5  | JU              |
| P4SMAJ45A          | 45  | 50.0   | 55.3 | 1          | 72.7   | 5.5                               | 5  | JV              |
| P4SMAJ48           | 48  | 53.3   | 65.1 | 1          | 85.5   | 4.7                               | 5  | JW              |
| P4SMAJ48A          | 48  | 53.3   | 58.9 | 1          | 77.4   | 5.2                               | 5  | JX              |
| P4SMAJ51           | 51  | 56.7   | 69.3 | 1          | 91.1   | 4.4                               | 5  | JY              |
| P4SMAJ51A          | 51  | 56.7   | 62.7 | 1          | 82.4   | 4.9                               | 5  | JZ              |
| P4SMAJ54           | 54  | 60.0   | 73.3 | 1          | 96.3   | 4.2                               | 5  | RD              |
| P4SMAJ54A          | 54  | 60.0   | 66.3 | 1          | 87.1   | 4.6                               | 5  | RE              |
| P4SMAJ58           | 58  | 64.4   | 78.7 | 1          | 103  | 3.9                               | 5  | RF              |
| P4SMAJ58A          | 58  | 64.4   | 71.2 | 1          | 93.6   | 4.3                               | 5  | RG              |
| P4SMAJ60           | 60  | 66.7   | 81.5 | 1          | 107  | 3.7                               | 5  | RH              |
| P4SMAJ60A          | 60  | 66.7   | 73.7 | 1          | 96.8   | 4.1                               | 5  | RK              |
| P4SMAJ64           | 64  | 71.1   | 86.9 | 1          | 114  | 3.5                               | 5  | RL              |
| P4SMAJ64A          | 64  | 71.1   | 78.6 | 1          | 103  | 3.9                               | 5  | RM              |
| P4SMAJ70           | 70  | 77.8   | 95.1 | 1          | 125  | 3.2                               | 5  | RN              |
| P4SMAJ70A          | 70  | 77.8   | 86.0 | 1          | 113  | 3.5                               | 5  | RP              |
| P4SMAJ75           | 75  | 83.3   | 102  | 1          | 134  | 3.0                               | 5  | RQ              |
| P4SMAJ75A          | 75  | 83.3   | 92.1 | 1          | 121  | 3.3                               | 5  | RR              |
| P4SMAJ78           | 78  | 86.7   | 106  | 1          | 139  | 2.9                               | 5  | RS              |
| P4SMAJ78A          | 78  | 86.7   | 95.8 | 1          | 126  | 2.2                               | 5  | RT              |
| P4SMAJ85           | 85  | 94.4   | 115  | 1          | 151  | 2.6                               | 5  | RU              |
| P4SMAJ85A          | 85  | 94.4   | 104  | 1          | 137  | 2.9                               | 5  | RV              |
| P4SMAJ90           | 90  | 100  | 122  | 1          | 160  | 2.5                               | 5  | RW              |
| P4SMAJ90A          | 90  | 100  | 111  | 1          | 146  | 2.7                               | 5  | RX              |
| P4SMAJ100          | 100   | 111  | 136  | 1          | 179  | 2.2                               | 5  | RY              |
| P4SMAJ100A         | 100   | 111  | 123  | 1          | 162  | 2.5                               | 5  | RZ              |
| P4SMAJ110          | 110   | 122  | 149  | 1          | 196  | 2.0                               | 5  | SD              |
| P4SMAJ110A         | 110   | 122  | 135  | 1          | 177  | 2.3                               | 5  | SE              |
| P4SMAJ120          | 120   | 133  | 163  | 1          | 214  | 1.9                               | 5  | SF              |
| P4SMAJ120A         | 120   | 133  | 147  | 1          | 193  | 2.0                               | 5  | SG              |
| P4SMAJ130          | 130   | 144  | 176  | 1          | 231  | 1.7                               | 5  | SH              |
| P4SMAJ130A         | 130   | 144  | 159  | 1          | 209  | 1.9                               | 5  | SK              |
| P4SMAJ150          | 150   | 167  | 204  | 1          | 268  | 1.5                               | 5  | SL              |
| P4SMAJ150A         | 150   | 167  | 185  | 1          | 243  | 1.6                               | 5  | SM              |
| P4SMAJ160          | 160   | 178  | 218  | 1          | 287  | 1.4                               | 5  | SN              |
| P4SMAJ160A         | 160   | 178  | 197  | 1          | 259  | 1.5                               | 5  | SP              |
| P4SMAJ170          | 170   | 189  | 231  | 1          | 304  | 1.3                               | 5  | SQ              |
| P4SMAJ170A         | 170   | 189  | 209  | 1          | 275  | 1.4                               | 5  | SR              |

# P4SMAJ5.0 thru P4SMAJ170CA



## ELECTRICAL CHARACTERISTICS @25°C

| MCC<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE<br>$V_{WM}$<br>(VOLTS) | BREAKDOWN VOLTAGE<br>$V_{(BR)} @ I_T$<br>(VOLTS) |      |            | MAXIMUM<br>CLAMPING<br>VOLTAGE @<br>$I_{PP}$<br>(VOLTS) | PEAK PULSE<br>CURRENT<br>$I_{PP}$<br>(AMPS) | MAXIMUM<br>REVERSE<br>LEAKAGE<br>@ $V_{WM}$<br>$I_b$<br>( $\mu$ A) | MARKING<br>CODE |
|--------------------|--|--|------|------------|---|---|--|-----------------|
|                    |  | MIN  | MAX  | $I_T$ (mA) |   |   |  |                 |
| P4SMAJ5.0C         | 5.0  | 6.40   | 7.30 | 10         | 9.6   | 41.6  | 1600   | TD              |
| P4SMAJ5.0CA        | 5.0  | 6.40   | 7.00 | 10         | 9.2   | 43.5  | 1600   | TE              |
| P4SMAJ6.0C         | 6.0  | 6.67   | 8.15 | 10         | 11.4  | 35.1  | 1600   | TF              |
| P4SMAJ6.0CA        | 6.0  | 6.67   | 7.37 | 10         | 10.3  | 38.8  | 1600   | TG              |
| P4SMAJ6.5C         | 6.5  | 7.22   | 8.82 | 10         | 12.3  | 32.5  | 1000   | TH              |
| P4SMAJ6.5CA        | 6.5  | 7.22   | 7.98 | 10         | 11.2  | 35.7  | 1000   | TK              |
| P4SMAJ7.0C         | 7.0  | 7.78   | 9.51 | 10         | 13.3  | 30.1  | 400  | TL              |
| P4SMAJ7.0CA        | 7.0  | 7.78   | 8.60 | 10         | 12.0  | 33.3  | 400  | TM              |
| P4SMAJ7.5C         | 7.5  | 8.33   | 10.2 | 1          | 14.3  | 28.0  | 200  | TN              |
| P4SMAJ7.5CA        | 7.5  | 8.33   | 9.21 | 1          | 12.9  | 31.0  | 200  | TP              |
| P4SMAJ8.0C         | 8.0  | 8.89   | 10.9 | 1          | 15.0  | 26.5  | 100  | TQ              |
| P4SMAJ8.0CA        | 8.0  | 8.89   | 9.83 | 1          | 13.6  | 29.4  | 100  | TR              |
| P4SMAJ8.5C         | 8.5  | 9.44   | 11.5 | 1          | 15.9  | 25.1  | 20   | TS              |
| P4SMAJ8.5CA        | 8.5  | 9.44   | 10.4 | 1          | 14.4  | 27.7  | 20   | TT              |
| P4SMAJ9.0C         | 9.0  | 10.0   | 12.2 | 1          | 16.9  | 23.6  | 10   | TU              |
| P4SMAJ9.0CA        | 9.0  | 10.0   | 11.1 | 1          | 15.4  | 26.0  | 10   | TV              |
| P4SMAJ10C          | 10   | 11.1   | 13.6 | 1          | 18.8  | 21.2  | 5  | TW              |
| P4SMAJ10CA         | 10   | 11.1   | 12.3 | 1          | 17.0  | 23.5  | 5  | TX              |
| P4SMAJ11C          | 11   | 12.2   | 14.9 | 1          | 20.1  | 20.0  | 5  | TY              |
| P4SMAJ11CA         | 11   | 12.2   | 13.5 | 1          | 18.2  | 22.0  | 5  | TZ              |
| P4SMAJ12C          | 12   | 13.3   | 16.3 | 1          | 22.0  | 18.1  | 5  | UD              |
| P4SMAJ12CA         | 12   | 13.3   | 14.7 | 1          | 19.9  | 20.1  | 5  | UE              |
| P4SMAJ13C          | 13   | 14.4   | 17.6 | 1          | 23.8  | 16.8  | 5  | UF              |
| P4SMAJ13CA         | 13   | 14.4   | 15.9 | 1          | 21.5  | 18.6  | 5  | UG              |
| P4SMAJ14C          | 14   | 15.6   | 19.1 | 1          | 25.8  | 15.5  | 5  | UH              |
| P4SMAJ14CA         | 14   | 15.6   | 17.2 | 1          | 23.2  | 17.2  | 5  | UK              |
| P4SMAJ15C          | 15   | 16.7   | 20.4 | 1          | 26.9  | 14.8  | 5  | UL              |
| P4SMAJ15CA         | 15   | 16.7   | 18.5 | 1          | 24.4  | 16.4  | 5  | UM              |
| P4SMAJ16C          | 16   | 17.8   | 21.8 | 1          | 28.8  | 13.8  | 5  | UN              |
| P4SMAJ16CA         | 16   | 17.8   | 19.7 | 1          | 26.0  | 15.3  | 5  | UP              |
| P4SMAJ17C          | 17   | 18.9   | 23.1 | 1          | 30.5  | 13.1  | 5  | UQ              |
| P4SMAJ17CA         | 17   | 18.9   | 20.9 | 1          | 27.6  | 14.5  | 5  | UR              |
| P4SMAJ18C          | 18   | 20.0   | 24.4 | 1          | 32.2  | 12.4  | 5  | US              |
| P4SMAJ18CA         | 18   | 20.0   | 22.1 | 1          | 29.2  | 13.7  | 5  | UT              |
| P4SMAJ20C          | 20   | 22.2   | 27.1 | 1          | 35.8  | 11.1  | 5  | UU              |
| P4SMAJ20CA         | 20   | 22.2   | 24.5 | 1          | 32.4  | 12.3  | 5  | UV              |

# P4SMAJ5.0 thru P4SMAJ170CA

## ELECTRICAL CHARACTERISTICS @25°C

| MCC<br>PART NUMBER | REVERSE<br>STAND-OFF<br>VOLTAGE<br>$V_{WM}$ | BREAKDOWN VOLTAGE<br>$V_{(BR)}$ @ $I_T$<br>(VOLTS) |      |            | MAXIMUM<br>CLAMPING<br>VOLTAGE @<br>$I_{PP}$ | PEAK PULSE<br>CURRENT<br>$I_{PP}$ | MAXIMUM<br>REVERSE<br>LEAKAGE<br>@ $V_{WM}$<br>$I_b$ | MARKING<br>CODE |
|--------------------|---|--|------|------------|--|-----------------------------------|--|-----------------|
|                    | (VOLTS)                                     | MIN  | MAX  | $I_T$ (mA) | (VOLTS)                                      | (AMPS)                            | ( $\mu$ A)   |                 |
| P4SMAJ22C          | 22  | 24.4   | 29.8 | 1          | 39.4   | 10.1                              | 5  | UW              |
| P4SMAJ22CA         | 22  | 24.4   | 26.9 | 1          | 35.5   | 11.2                              | 5  | UX              |
| P4SMAJ24C          | 24  | 26.7   | 32.6 | 1          | 43.0   | 9.3                               | 5  | UY              |
| P4SMAJ24CA         | 24  | 26.7   | 29.5 | 1          | 38.9   | 10.3                              | 5  | UZ              |
| P4SMAJ26C          | 26  | 28.9   | 35.3 | 1          | 46.6   | 8.6                               | 5  | VD              |
| P4SMAJ26CA         | 26  | 28.9   | 31.9 | 1          | 42.1   | 9.5                               | 5  | VE              |
| P4SMAJ28C          | 28  | 31.1   | 38.0 | 1          | 50.0   | 8.0                               | 5  | VF              |
| P4SMAJ28CA         | 28  | 31.1   | 34.4 | 1          | 45.4   | 8.8                               | 5  | VG              |
| P4SMAJ30C          | 30  | 33.3   | 40.7 | 1          | 53.5   | 7.5                               | 5  | VH              |
| P4SMAJ30CA         | 30  | 33.3   | 36.8 | 1          | 48.4   | 8.3                               | 5  | VK              |
| P4SMAJ33C          | 33  | 36.7   | 44.9 | 1          | 59.0   | 6.8                               | 5  | VL              |
| P4SMAJ33CA         | 33  | 36.7   | 40.6 | 1          | 53.3   | 7.5                               | 5  | VM              |
| P4SMAJ36C          | 36  | 40.0   | 48.9 | 1          | 64.3   | 6.2                               | 5  | VN              |
| P4SMAJ36CA         | 36  | 40.0   | 44.2 | 1          | 58.1   | 6.9                               | 5  | VP              |
| P4SMAJ40C          | 40  | 44.4   | 54.3 | 1          | 71.4   | 5.6                               | 5  | VQ              |
| P4SMAJ40CA         | 40  | 44.4   | 49.1 | 1          | 64.5   | 6.2                               | 5  | VR              |
| P4SMAJ43C          | 43  | 47.8   | 58.4 | 1          | 76.7   | 5.2                               | 5  | VS              |
| P4SMAJ43CA         | 43  | 47.8   | 52.8 | 1          | 69.4   | 5.7                               | 5  | VT              |
| P4SMAJ45C          | 45  | 50.0   | 61.1 | 1          | 80.3   | 5.0                               | 5  | VU              |
| P4SMAJ45CA         | 45  | 50.0   | 55.3 | 1          | 72.7   | 5.5                               | 5  | VV              |
| P4SMAJ48C          | 48  | 53.3   | 65.1 | 1          | 85.5   | 4.7                               | 5  | VW              |
| P4SMAJ48CA         | 48  | 53.3   | 58.9 | 1          | 77.4   | 5.2                               | 5  | VX              |
| P4SMAJ51C          | 51  | 56.7   | 69.3 | 1          | 91.1   | 4.4                               | 5  | VY              |
| P4SMAJ51CA         | 51  | 56.7   | 62.7 | 1          | 82.4   | 4.9                               | 5  | VZ              |
| P4SMAJ54C          | 54  | 60.0   | 73.3 | 1          | 96.3   | 4.2                               | 5  | WD              |
| P4SMAJ54CA         | 54  | 60.0   | 66.3 | 1          | 87.1   | 4.6                               | 5  | WE              |
| P4SMAJ58C          | 58  | 64.4   | 78.7 | 1          | 103  | 3.9                               | 5  | WF              |
| P4SMAJ58CA         | 58  | 64.4   | 71.2 | 1          | 93.6   | 4.3                               | 5  | WG              |
| P4SMAJ60C          | 60  | 66.7   | 81.5 | 1          | 107  | 3.7                               | 5  | WH              |
| P4SMAJ60CA         | 60  | 66.7   | 73.7 | 1          | 96.8   | 4.1                               | 5  | WK              |
| P4SMAJ64C          | 64  | 71.1   | 86.9 | 1          | 114  | 3.5                               | 5  | WL              |
| P4SMAJ64CA         | 64  | 71.1   | 78.6 | 1          | 103  | 3.9                               | 5  | WM              |
| P4SMAJ70C          | 70  | 77.8   | 95.1 | 1          | 125  | 3.2                               | 5  | WN              |
| P4SMAJ70CA         | 70  | 77.8   | 86.0 | 1          | 113  | 3.5                               | 5  | WP              |
| P4SMAJ75C          | 75  | 83.3   | 102  | 1          | 134  | 3.0                               | 5  | WQ              |
| P4SMAJ75CA         | 75  | 83.3   | 92.1 | 1          | 121  | 3.3                               | 5  | WR              |
| P4SMAJ78C          | 78  | 86.7   | 106  | 1          | 139  | 2.9                               | 5  | WS              |
| P4SMAJ78CA         | 78  | 86.7   | 95.8 | 1          | 126  | 2.2                               | 5  | WT              |
| P4SMAJ85C          | 85  | 94.4   | 115  | 1          | 151  | 2.6                               | 5  | WU              |
| P4SMAJ85CA         | 85  | 94.4   | 104  | 1          | 137  | 2.9                               | 5  | WV              |
| P4SMAJ90C          | 90  | 100  | 122  | 1          | 160  | 2.5                               | 5  | WW              |
| P4SMAJ90CA         | 90  | 100  | 111  | 1          | 146  | 2.7                               | 5  | WX              |
| P4SMAJ100C         | 100   | 111  | 136  | 1          | 179  | 2.2                               | 5  | WY              |
| P4SMAJ100CA        | 100   | 111  | 123  | 1          | 162  | 2.5                               | 5  | WZ              |
| P4SMAJ110C         | 110   | 122  | 149  | 1          | 196  | 2.0                               | 5  | XD              |
| P4SMAJ110CA        | 110   | 122  | 135  | 1          | 177  | 2.3                               | 5  | XE              |
| P4SMAJ120C         | 120   | 133  | 163  | 1          | 214  | 1.9                               | 5  | XF              |
| P4SMAJ120CA        | 120   | 133  | 147  | 1          | 193  | 2.0                               | 5  | XG              |
| P4SMAJ130C         | 130   | 144  | 176  | 1          | 231  | 1.7                               | 5  | XH              |
| P4SMAJ130CA        | 130   | 144  | 159  | 1          | 209  | 1.9                               | 5  | XK              |
| P4SMAJ150C         | 150   | 167  | 204  | 1          | 268  | 1.5                               | 5  | XL              |
| P4SMAJ150CA        | 150   | 167  | 185  | 1          | 243  | 1.6                               | 5  | XM              |
| P4SMAJ160C         | 160   | 178  | 218  | 1          | 287  | 1.4                               | 5  | XN              |
| P4SMAJ160CA        | 160   | 178  | 197  | 1          | 259  | 1.5                               | 5  | XP              |
| P4SMAJ170C         | 170   | 189  | 231  | 1          | 304  | 1.3                               | 5  | XQ              |
| P4SMAJ170CA        | 170   | 189  | 209  | 1          | 275  | 1.4                               | 5  | XR              |