

600W Transient Voltage Suppressors - Surface Mount SMB Series

SPECIFICATION

| Part Number | | Package | Reverse Stand-off Voltage | Breakdown Voltage | | Test Current | Reverse Leakage Current | | Max. Clamp Voltage | Peak Pulse Current | Circuit Code |
|-------------|----------|--------------|---------------------------|-------------------|-------|--------------|-------------------------|--------|--------------------|--------------------|--------------|
| | | | V_{RWM} | $V_{BR} @ I_T$ | | I_T | $I_R @ V_{RWM}$ | | $V_C @ I_{PP}$ | I_{PP} | |
| UNI | BI | | | V | V | | V | mA | | | |
| SMB5.0A | SMB5.0CA | SMB/DO-214AA | 5.0 | 6.40 | 7.00 | 10.0 | 800.0 | 1600.0 | 9.2 | 65.30 | S01/D01 |
| SMB6.0A | SMB6.0CA | SMB/DO-214AA | 6.0 | 6.67 | 7.37 | 10.0 | 800.0 | 1600.0 | 10.3 | 58.30 | S01/D01 |
| SMB6.5A | SMB6.5CA | SMB/DO-214AA | 6.5 | 7.22 | 7.98 | 10.0 | 500.0 | 800.0 | 11.2 | 53.60 | S01/D01 |
| SMB7.0A | SMB7.0CA | SMB/DO-214AA | 7.0 | 7.78 | 8.60 | 10.0 | 200.0 | 500.0 | 12.0 | 50.00 | S01/D01 |
| SMB7.5A | SMB7.5CA | SMB/DO-214AA | 7.5 | 8.33 | 9.21 | 1.0 | 100.0 | 200.0 | 12.9 | 46.60 | S01/D01 |
| SMB8.0A | SMB8.0CA | SMB/DO-214AA | 8.0 | 8.89 | 9.83 | 1.0 | 50.0 | 100.0 | 13.6 | 44.20 | S01/D01 |
| SMB8.5A | SMB8.5CA | SMB/DO-214AA | 8.5 | 9.44 | 10.40 | 1.0 | 20.0 | 50.0 | 14.4 | 41.70 | S01/D01 |
| SMB9.0A | SMB9.0CA | SMB/DO-214AA | 9.0 | 10.00 | 11.10 | 1.0 | 10.0 | 20.0 | 15.4 | 39.00 | S01/D01 |
| SMB10A | SMB10CA | SMB/DO-214AA | 10.0 | 11.10 | 12.30 | 1.0 | 5.0 | 10.0 | 17.0 | 35.30 | S01/D01 |
| SMB11A | SMB11CA | SMB/DO-214AA | 11.0 | 12.20 | 13.50 | 1.0 | 1.0 | 5.0 | 18.2 | 33.00 | S01/D01 |
| SMB12A | SMB12CA | SMB/DO-214AA | 12.0 | 13.30 | 14.70 | 1.0 | 1.0 | 1.0 | 19.9 | 30.20 | S01/D01 |
| SMB13A | SMB13CA | SMB/DO-214AA | 13.0 | 14.40 | 15.90 | 1.0 | 1.0 | 1.0 | 21.5 | 28.00 | S01/D01 |
| SMB14A | SMB14CA | SMB/DO-214AA | 14.0 | 15.60 | 17.20 | 1.0 | 1.0 | 1.0 | 23.2 | 25.90 | S01/D01 |
| SMB15A | SMB15CA | SMB/DO-214AA | 15.0 | 16.70 | 18.50 | 1.0 | 1.0 | 1.0 | 24.4 | 24.60 | S01/D01 |
| SMB16A | SMB16CA | SMB/DO-214AA | 16.0 | 17.80 | 19.70 | 1.0 | 1.0 | 1.0 | 26.0 | 23.10 | S01/D01 |
| SMB17A | SMB17CA | SMB/DO-214AA | 17.0 | 18.90 | 20.90 | 1.0 | 1.0 | 1.0 | 27.6 | 21.80 | S01/D01 |
| SMB18A | SMB18CA | SMB/DO-214AA | 18.0 | 20.00 | 22.10 | 1.0 | 1.0 | 1.0 | 29.2 | 20.60 | S01/D01 |
| SMB20A | SMB20CA | SMB/DO-214AA | 20.0 | 22.20 | 24.50 | 1.0 | 1.0 | 1.0 | 32.4 | 18.60 | S01/D01 |
| SMB22A | SMB22CA | SMB/DO-214AA | 22.0 | 24.40 | 26.90 | 1.0 | 1.0 | 1.0 | 35.5 | 16.90 | S01/D01 |
| SMB24A | SMB24CA | SMB/DO-214AA | 24.0 | 26.70 | 29.50 | 1.0 | 1.0 | 1.0 | 38.9 | 15.50 | S01/D01 |
| SMB26A | SMB26CA | SMB/DO-214AA | 26.0 | 28.90 | 31.90 | 1.0 | 1.0 | 1.0 | 42.1 | 14.30 | S01/D01 |
| SMB28A | SMB28CA | SMB/DO-214AA | 28.0 | 31.10 | 34.40 | 1.0 | 1.0 | 1.0 | 45.4 | 13.30 | S01/D01 |
| SMB30A | SMB30CA | SMB/DO-214AA | 30.0 | 33.30 | 36.80 | 1.0 | 1.0 | 1.0 | 48.4 | 12.40 | S01/D01 |
| SMB33A | SMB33CA | SMB/DO-214AA | 33.0 | 36.70 | 40.60 | 1.0 | 1.0 | 1.0 | 53.3 | 11.30 | S01/D01 |
| SMB36A | SMB36CA | SMB/DO-214AA | 36.0 | 40.00 | 44.20 | 1.0 | 1.0 | 1.0 | 58.1 | 10.40 | S01/D01 |
| SMB40A | SMB40CA | SMB/DO-214AA | 40.0 | 44.40 | 49.10 | 1.0 | 1.0 | 1.0 | 64.5 | 9.30 | S01/D01 |
| SMB43A | SMB43CA | SMB/DO-214AA | 43.0 | 47.80 | 52.80 | 1.0 | 1.0 | 1.0 | 69.4 | 8.70 | S01/D01 |
| SMB45A | SMB45CA | SMB/DO-214AA | 45.0 | 50.00 | 55.30 | 1.0 | 1.0 | 1.0 | 72.7 | 8.30 | S01/D01 |
| SMB48A | SMB48CA | SMB/DO-214AA | 48.0 | 53.30 | 58.90 | 1.0 | 1.0 | 1.0 | 77.4 | 7.80 | S01/D01 |
| SMB51A | SMB51CA | SMB/DO-214AA | 51.0 | 56.70 | 62.70 | 1.0 | 1.0 | 1.0 | 82.4 | 7.30 | S01/D01 |
| SMB54A | SMB54CA | SMB/DO-214AA | 54.0 | 60.00 | 66.30 | 1.0 | 1.0 | 1.0 | 87.1 | 6.90 | S01/D01 |
| SMB58A | SMB58CA | SMB/DO-214AA | 58.0 | 64.40 | 71.20 | 1.0 | 1.0 | 1.0 | 93.6 | 6.50 | S01/D01 |
| SMB60A | SMB60CA | SMB/DO-214AA | 60.0 | 66.70 | 73.70 | 1.0 | 1.0 | 1.0 | 96.8 | 6.20 | S01/D01 |

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|-------------|----------|--------------|---------------------------|-------------------|--------|--------------|-------------------------|---------|--------------------|--------------------|--------------|
| | | | | $V_{BR} @ I_T$ | I_T | | $I_R @ V_{RWM}$ | | | | |
| | | | V_{RWM} | | | Min | Max | UNI | BI | $V_C @ I_{PP}$ | |
| UNI | BI | | V | V | V | mA | μA | μA | V | A | |
| SMB64A | SMB64CA | SMB/DO-214AA | 64.0 | 71.10 | 78.60 | 1.0 | 1.0 | 1.0 | 103.0 | 5.90 | S01/D01 |
| SMB70A | SMB70CA | SMB/DO-214AA | 70.0 | 77.80 | 86.00 | 1.0 | 1.0 | 1.0 | 113.0 | 5.30 | S01/D01 |
| SMB75A | SMB75CA | SMB/DO-214AA | 75.0 | 83.30 | 92.10 | 1.0 | 1.0 | 1.0 | 121.0 | 5.00 | S01/D01 |
| SMB78A | SMB78CA | SMB/DO-214AA | 78.0 | 86.70 | 95.80 | 1.0 | 1.0 | 1.0 | 126.0 | 4.80 | S01/D01 |
| SMB85A | SMB85CA | SMB/DO-214AA | 85.0 | 94.40 | 104.00 | 1.0 | 1.0 | 1.0 | 137.0 | 4.40 | S01/D01 |
| SMB90A | SMB90CA | SMB/DO-214AA | 90.0 | 100.00 | 111.00 | 1.0 | 1.0 | 1.0 | 146.0 | 4.10 | S01/D01 |
| SMB100A | SMB100CA | SMB/DO-214AA | 100.0 | 111.00 | 123.00 | 1.0 | 1.0 | 1.0 | 162.0 | 3.70 | S01/D01 |
| SMB110A | SMB110CA | SMB/DO-214AA | 110.0 | 122.00 | 135.00 | 1.0 | 1.0 | 1.0 | 177.0 | 3.40 | S01/D01 |
| SMB120A | SMB120CA | SMB/DO-214AA | 120.0 | 133.00 | 147.00 | 1.0 | 1.0 | 1.0 | 193.0 | 3.10 | S01/D01 |
| SMB130A | SMB130CA | SMB/DO-214AA | 130.0 | 144.00 | 159.00 | 1.0 | 1.0 | 1.0 | 209.0 | 2.90 | S01/D01 |
| SMB150A | SMB150CA | SMB/DO-214AA | 150.0 | 167.00 | 185.00 | 1.0 | 1.0 | 1.0 | 243.0 | 2.50 | S01/D01 |
| SMB160A | SMB160CA | SMB/DO-214AA | 160.0 | 178.00 | 197.00 | 1.0 | 1.0 | 1.0 | 259.0 | 2.30 | S01/D01 |
| SMB170A | SMB170CA | SMB/DO-214AA | 170.0 | 189.00 | 209.00 | 1.0 | 1.0 | 1.0 | 275.0 | 2.20 | S01/D01 |
| SMB180A | SMB180CA | SMB/DO-214AA | 180.0 | 200.00 | 220.00 | 1.0 | 1.0 | 1.0 | 292.0 | 2.10 | S01/D01 |
| SMB200A | SMB200CA | SMB/DO-214AA | 200.0 | 224.00 | 247.00 | 1.0 | 1.0 | 1.0 | 324.0 | 1.90 | S01/D01 |
| SMB220A | SMB220CA | SMB/DO-214AA | 220.0 | 246.00 | 272.00 | 1.0 | 1.0 | 1.0 | 356.0 | 1.70 | S01/D01 |
| SMB250A | SMB250CA | SMB/DO-214AA | 250.0 | 279.00 | 309.00 | 1.0 | 1.0 | 1.0 | 405.0 | 1.50 | S01/D01 |
| SMB300A | SMB300CA | SMB/DO-214AA | 300.0 | 335.00 | 371.00 | 1.0 | 1.0 | 1.0 | 486.0 | 1.30 | S01/D01 |
| SMB350A | SMB350CA | SMB/DO-214AA | 350.0 | 391.00 | 432.00 | 1.0 | 1.0 | 1.0 | 567.0 | 1.10 | S01/D01 |
| SMB400A | SMB400CA | SMB/DO-214AA | 400.0 | 447.00 | 494.00 | 1.0 | 1.0 | 1.0 | 648.0 | 0.93 | S01/D01 |
| SMB440A | SMB440CA | SMB/DO-214AA | 440.0 | 492.00 | 543.00 | 1.0 | 1.0 | 1.0 | 713.0 | 0.90 | S01/D01 |