

GENERAL PURPOSE ABRUPT VARACTOR DIODES 1N5681 TO 1N5709

| PART NUMBER | CAPACITANCE @ 4Vdc 1 MHz (pF) | MIN QUALITY FACTOR @ 4Vdc F = 50 MHz | CAPACITANCE RATIO | | MAX WORKING VOLTAGE (Vdc) | MIN REVERSE BREAKDOWN VOLTAGE Ir = 10µA (Vdc) |
|-------------|----------------------------------|---|-------------------|-----------------|---------------------------|--|
| | | | 2V / 40V MIN | 4V / 60V TYP | | |
| 1N5681 | 6.8 | 600 | 3.1 | 3.3 | 40 | 45 |
| 1N5682 | 8.2 | 600 | 3.1 | 3.3 | 40 | 45 |
| 1N5683 | 10.0 | 550 | 3.2 | 3.4 | 40 | 45 |
| 1N5684 | 12.0 | 550 | 3.2 | 3.4 | 40 | 45 |
| 1N5685 | 15.0 | 550 | 3.2 | 3.4 | 40 | 45 |
| 1N5686 | 18.0 | 500 | 3.2 | 3.4 | 40 | 45 |
| 1N5687 | 22.0 | 500 | 3.3 | 3.5 | 40 | 45 |
| 1N5688 | 27.0 | 500 | 3.3 | 3.5 | 40 | 45 |
| 1N5689 | 33.0 | 500 | 3.3 | 3.5 | 40 | 45 |
| 1N5690 | 39.0 | 450 | 3.3 | 3.5 | 40 | 45 |
| 1N5691 | 47.0 | 400 | 3.3 | 3.5 | 40 | 45 |
| 1N5692 | 56.0 | 300 | 3.3 | 3.5 | 40 | 45 |
| 1N5693 | 68.0 | 250 | 3.3 | 3.5 | 40 | 45 |
| 1N5694 | 82.0 | 225 | 3.3 | 3.5 | 40 | 45 |
| 1N5695 | 100.0 | 200 | 3.3 | 3.5 | 40 | 45 |
| 1N5696 | 6.8 | 450 | | 2.7 2.9 | 60 | 65 |
| 1N5697 | 8.2 | 450 | | 2.7 2.9 | 60 | 65 |
| 1N5698 | 10.0 | 400 | | 2.8 3.0 | 60 | 65 |
| 1N5699 | 12.0 | 400 | | 2.8 3.0 | 60 | 65 |
| 1N5700 | 15.0 | 400 | | 2.8 3.0 | 60 | 65 |
| 1N5701 | 18.0 | 375 | | 2.8 3.0 | 60 | 65 |
| 1N5702 | 22.0 | 375 | | 3.2 3.4 | 60 | 65 |
| 1N5703 | 27.0 | 350 | | 3.2 3.4 | 60 | 65 |
| 1N5704 | 33.0 | 350 | | 3.2 3.4 | 60 | 65 |
| 1N5705 | 39.0 | 325 | | 3.2 3.4 | 60 | 65 |
| 1N5706 | 47.0 | 300 | | 3.2 3.4 | 60 | 65 |
| 1N5707 | 56.0 | 225 | | 3.2 3.4 | 60 | 65 |
| 1N5708 | 68.0 | 175 | | 3.2 3.4 | 60 | 65 |
| 1N5709 | 82.0 | 150 | | 3.2 3.4 | 60 | 65 |

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|------------------------------|-----------------|---------------|
| Package Style | | DO-7 |
| DC Power Dissipation | | 400 mW |
| Max Reverse Current (Ir) | @ Ta = 25°C | 20 nA @ MWV |
| Max Reverse Current (Ir2) | @ Ta = 150°C | 20 µA @ MWV |
| Operating Temperature (Topr) | | -65 to +175°C |
| Storage Temperature (Tstg) | | -65 to +200°C |
| Capacitance Tolerance: | Standard Device | ±20% |
| | Suffix A | ±10% |
| | Suffix B | ±5% |