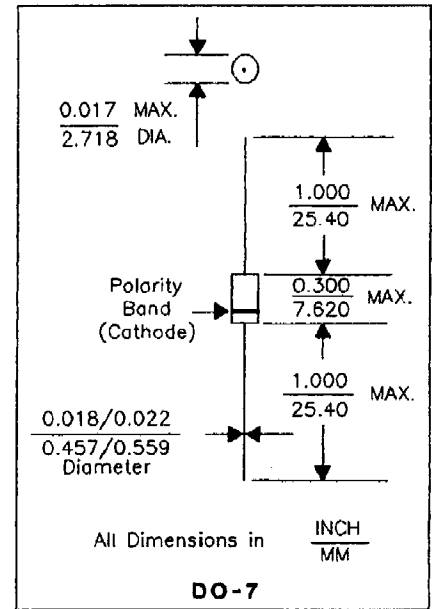


1N5439
thru
1N5456

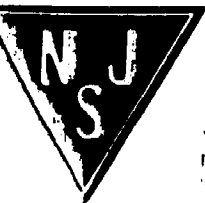
1N5461
thru
1N5476

HIGH Q - VOLTAGE VARIABLE CAPACITORS

| TYPE | CAPACITANCE at Vr=4 Vdc 1MHz pF | MINIMUM QUALITY FACTOR Q @ 4 vDC f=50 MHz | TUNING RATIO 2 V to 30 V | |
|--------|--|---|-----------------------------|-----|
| | | | MIN | MAX |
| 1N5439 | 3.3 | 450 | 2.3 | 3.1 |
| 1N5440 | 4.7 | 450 | 2.4 | 3.1 |
| 1N5441 | 6.8 | 450 | 2.5 | 3.1 |
| 1N5442 | 8.2 | 450 | 2.5 | 3.1 |
| 1N5443 | 10.0 | 400 | 2.6 | 3.1 |
| 1N5444 | 12.0 | 400 | 2.6 | 3.1 |
| 1N5445 | 15.0 | 400 | 2.6 | 3.1 |
| 1N5446 | 18.0 | 350 | 2.6 | 3.1 |
| 1N5447 | 20.0 | 350 | 2.6 | 3.1 |
| 1N5448 | 22.0 | 350 | 2.6 | 3.2 |
| 1N5449 | 27.0 | 350 | 2.6 | 3.2 |
| 1N5450 | 33.0 | 350 | 2.6 | 3.2 |
| 1N5451 | 39.0 | 300 | 2.6 | 3.2 |
| 1N5452 | 47.0 | 250 | 2.6 | 3.2 |
| 1N5453 | 56.0 | 200 | 2.6 | 3.3 |
| 1N5454 | 68.0 | 175 | 2.7 | 3.3 |
| 1N5455 | 82.0 | 175 | 2.7 | 3.3 |
| 1N5456 | 100.0 | 175 | 2.7 | 3.3 |
| 1N5461 | 6.8 | 600 | 2.7 | 3.1 |
| 1N5462 | 8.2 | 600 | 2.8 | 3.1 |
| 1N5463 | 10.0 | 550 | 2.8 | 3.1 |
| 1N5464 | 12.0 | 550 | 2.8 | 3.2 |
| 1N5465 | 15.0 | 550 | 2.8 | 3.1 |
| 1N5466 | 18.0 | 500 | 2.9 | 3.1 |
| 1N5467 | 20.0 | 500 | 2.9 | 3.1 |
| 1N5468 | 22.0 | 500 | 2.9 | 3.2 |
| 1N5469 | 27.0 | 500 | 2.9 | 3.2 |
| 1N5470 | 33.0 | 500 | 2.9 | 3.2 |
| 1N6571 | 39.0 | 450 | 2.9 | 3.2 |
| 1N5472 | 47.0 | 400 | 2.9 | 3.2 |
| 1N5473 | 56.0 | 300 | 2.9 | 3.3 |
| 1N5474 | 68.0 | 250 | 2.9 | 3.3 |
| 1N5475 | 82.0 | 225 | 2.9 | 3.3 |
| 1N5476 | 100.0 | 200 | 2.9 | 3.3 |



| | |
|-----------------------------------|---------------|
| Package Style | DO-7 |
| Reverse Breakdown Voltage | |
| at Ir=10ua | 30 Volts Min |
| D.C. Power Dissipation at 25 C | 400 mW Max |
| Operating Temperature | -65 to +150 C |
| Storage Temperature | -65 to +150 C |
| Reverse Current at 25 Vdc | 0.02ua Max |
| Reverse Current at 25 Vdc (150 C) | 20 ua Max |
| Capacitance Tolerance | |
| Standard Device | +/- 20% |
| Suffix A | +/- 10% |
| Suffix B | +/- 5% |
| Suffix C | +/- 2% |
| Suffix D | +/- 1% |



NJ Semi-Conductor reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductor is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductor assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductor encourages customers to verify that datasheets are current before placing orders.