

ABRUPT VARACTOR DIODES MV1620 - MV1650

| PART NUMBER | C _T DIODE CAPACITANCE V _r = 4 Vdc, f = 1 MHz | | | Q, QUALITY FACTOR V _r = 4 Vdc f = 50 MHz | | TR, TUNING RATIO C•2V / C•20V f = 1 MHz | |
|-------------|---|-------|-------|---|-----|---|--|
| | MIN | NOM | MAX | MIN | MIN | MAX | |
| MV1620 | 6.1 | 6.8 | 7.5 | 300 | 2.0 | 3.2 | |
| MV1622 | 7.4 | 8.2 | 9.0 | 300 | 2.0 | 3.2 | |
| MV1624 | 9.0 | 10.0 | 11.0 | 300 | 2.0 | 3.2 | |
| MV1626 | 10.8 | 12.0 | 13.2 | 300 | 2.0 | 3.2 | |
| MV1628 | 13.5 | 15.0 | 16.5 | 250 | 2.0 | 3.2 | |
| MV1630 | 16.2 | 18.0 | 19.8 | 250 | 2.0 | 3.2 | |
| MV1632 | 18.0 | 20.0 | 22.0 | 250 | 2.0 | 3.2 | |
| MV1634 | 19.8 | 22.0 | 24.2 | 250 | 2.0 | 3.2 | |
| MV1636 | 24.3 | 27.0 | 29.7 | 200 | 2.0 | 3.2 | |
| MV1638 | 29.7 | 33.0 | 36.3 | 200 | 2.0 | 3.2 | |
| MV1640 | 35.1 | 39.0 | 42.9 | 200 | 2.0 | 3.2 | |
| MV1642 | 42.3 | 47.0 | 51.7 | 200 | 2.0 | 3.2 | |
| MV1644 | 50.4 | 56.0 | 61.6 | 150 | 2.0 | 3.2 | |
| MV1646 | 61.2 | 68.0 | 74.8 | 150 | 2.0 | 3.2 | |
| MV1648 | 73.8 | 82.0 | 90.2 | 150 | 2.0 | 3.2 | |
| MV1650 | 90.0 | 100.0 | 110.0 | 150 | 2.0 | 3.2 | |

Package Style DO-7

DC Power Dissipation @ Ta = 25° C 400 mW

Min Reverse Breakdown Voltage @ Ir = 10 μA 20 Vdc

Max Reverse Current (Ir) @ 15 Vdc 0.1 μA Max

Operating Temperature (Topr) -65 to + 150° C

Storage Temperature (Tstg) -65 to + 200° C

Junction Temperature 175° C