



**GLASS - LEADED
GENERAL PURPOSE ABRUPT VARACTOR DIODES
KSV2101 - KSV2115**

| PART NUMBER | CAPACITANCE @ 4 Vdc f = 1 MHz (pF) | MIN QUALITY FACTOR Q @ 4 Vdc f = 50 MHz | CAPACITANCE RATIO | |
|-------------|--|---|-------------------------------|-----|
| | | | f = 1 MHz C•2V / C•30V MIN | MAX |
| KSV2101 | 6.8 | 450 | 2.5 | 3.2 |
| KSV2102 | 8.2 | 450 | 2.5 | 3.2 |
| KSV2103 | 10.0 | 400 | 2.5 | 3.2 |
| KSV2104 | 12.0 | 400 | 2.5 | 3.2 |
| KSV2105 | 15.0 | 400 | 2.5 | 3.2 |
| KSV2106 | 18.0 | 350 | 2.5 | 3.2 |
| KSV2107 | 22.0 | 350 | 2.5 | 3.2 |
| KSV2108 | 27.0 | 300 | 2.5 | 3.2 |
| KSV2109 | 33.0 | 200 | 2.5 | 3.2 |
| KSV2110 | 39.0 | 150 | 2.5 | 3.2 |
| KSV2111 | 47.0 | 150 | 2.5 | 3.2 |
| KSV2112 | 56.0 | 150 | 2.6 | 3.3 |
| KSV2113 | 68.0 | 150 | 2.6 | 3.3 |
| KSV2114 | 82.0 | 100 | 2.6 | 3.3 |
| KSV2115 | 100.0 | 100 | 2.6 | 3.3 |

| | | |
|------------------------------|-----------------|-----------------|
| Package Style | | DO-7 |
| DC Power Dissipation | @ Ta = 25°C | 400 mW |
| Reverse Breakdown Voltage | @ 10µA | 30 V Min |
| Max Reverse Current (Ir) | @ Ta = 25° C | 0.1 µA @ 25 Vdc |
| Operating Temperature (Topr) | | -65 to + 175° C |
| Storage Temperature (Tstg) | | -65 to + 200° C |
| Capacitance Tolerance: | Standard Device | ±10% |
| | Suffix A | ±5% |