

**LOW LEVEL ZENER DIODES
SHARP KNEE, LOW IMPEDANCE
K511 - K681**

- **Unique manufacturing process**
- **Remarkably sharp breaking diodes**
- **Very low impedances at low current levels**
- **Lowest values of impedance ever achieved at the 250uA level**

| PART NUMBER | NOMINAL ZENER VOLTAGE @ Iz = 250µA (Vdc) | DYNAMIC IMPEDANCE | | REVERSE CURRENT @ 25° C | |
|-------------|--|-----------------------------------|----------------------------------|----------------------------|-------------|
| | | MAX Zz @ Iz = 250 µA (OHMS) | MAX Zzk @ Iz = 1 mA (OHMS) | MAX Ir (µA) | Vr (Vdc) |
| K511 | 5.1 | 50 | 15 | .05 | 2.5 |
| K561 | 5.6 | 45 | 15 | .05 | 3.5 |
| K621 | 6.2 | 35 | 18 | .05 | 5.6 |
| K681 | 6.8 | 25 | 18 | .05 | 6.4 |

| | | |
|------------------------------|-----------------|-----------------|
| Package Style | | DO-7 |
| DC Power Dissipation | @ Ta = 50° C | 250 mW |
| Derate above 50° C | | 2 mW / °C |
| Forward Voltage Drop | @ If = 100 mA | 1.3 Vdc |
| Operating Temperature (Topr) | | -65 to + 175° C |
| Storage Temperature (Tstg) | | -65 to + 200° C |
| Voltage Tolerance: | Standard Device | ±10% |



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