



**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 @ $I_z = 250\mu\text{A}$ (Vdc)	DYNAMIC IMPEDANCE		REVERSE CURRENT @ 25° C	
		MAX Z_z @ $I_z = 250\mu\text{A}$ (OHMS)	MAX Z_{zk} @ $I_z = 1\text{ mA}$ (OHMS)	MAX I_r (μA)	V_r (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	@ $T_a = 50^\circ\text{C}$	250 mW
Derate above 50° C		2 mW / °C
Forward Voltage Drop	@ $I_f = 100\text{ mA}$	1.3 Vdc
Operating Temperature (T_{opr})		-65 to + 175° C
Storage Temperature (T_{stg})		-65 to + 200° C
Voltage Tolerance:	Standard Device	±10%