

**SOT-323 Plastic-Encapsulate Diode****AZ23C5V6W,AZ23C6V8W,
AZ23C10W,AZ23C18W**

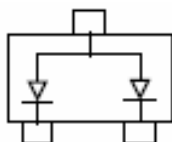
ZENER DIODE

SOT-323



FEATURES:

- Dual zeners in common anode configuration.
- 200mW power dissipation rating.
- Ideally suited for automatic insertion.
- Δv_z for both diodes in one case is $\leq 5\%$.

**Maximum Ratings @TA=25°C unless otherwise specified**

Characteristic	Symbol	Value	Unit
Forward Voltage @ $I_F=10\text{mA}$	V_F	0.9	V
Power Dissipation	P_d	250	mW
Thermal Resistance, Junction to Ambient Air	$R_{\theta JA}$	417	°C/w
Operating and Storage Temperature Range	T_j, T_{STG}	-65 to +150	°C

Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Type number	Type code	Zener Voltage Range			Maximum Zener Impedance				Maximum Reverse Current		Temperature Coefficient Of Zener voltage @ $I_{ZT}=5\text{mA}$	
		$V_Z@I_{ZT}$			$Z_{ZT}@I_{ZT}$		$Z_{ZK}@I_{ZK}$		I_R	V_R	mV/°C	
		Nom(V)	Min(V)	Max(V)	Ω	mA	Ω	mA	μA	V	Min	Max
AZ23C5V6W	KD9	5.6	5.32	5.88	40	5	400	1	1	2.0	-2.0	2.5
AZ23C6V8W	KDB	6.8	6.47	7.14	15	5	80	1	2	4.0	1.2	4.5
AZ23C10W	KDF	10	9.4	10.6	15	5	70	1	0.2	7.0	4.5	8.0
AZ23C18W	KDL	18	16.8	19.1	50	5	170	1	0.1	12.6	12.4	16.0

Typical Characteristics

