

2DW23x Series Silicon Planar Temperature Compensated Zener Diodes

Features

- Metal can TO-5 package
- Low temperature coefficient

Package

TO-5 metal can package

Applications

Precision voltage references in electronics and instruments.

Pinout

1. Cathode 1
2. Cathode 2
3. Anode (shorted to the can)

Specifications

Description	Symbol	Device	Min.	Typ.	Max.	Unit
Reference Voltage	V _Z	2DW230	5.8		6.6	V
		2DW231	5.8		6.6	
		2DW232	6.0		6.5	
		2DW233				
		2DW234				
		2DW235				
		2DW236				
Test Current	I _{ZT}	2DW230		10		mA
		2DW231		10		
		2DW232		5		
		2DW233		7.5		
		2DW234		10		
		2DW235		12.5		
		2DW236		15		
Dynamic Resistance (at I _Z = 10mA)	Y _Z	2DW230			25	Ω
		2DW231			15	
		2DW232			10	
		2DW233				
		2DW234				
		2DW235				
		2DW236				
Zener Current	I _Z	All			30	mA

<i>Description</i>	Symbol	Device	Min.	Typ.	Max.	Unit	
<i>Temperature Coefficient of Reference Voltage (at $I_Z = I_{ZT}$, $T_1 = 25^{\circ}\text{C}$, $T_2 = 75^{\circ}\text{C}$)</i>	α_{VZ}	2DW230			50	ppm/K	
		2DW231			50		
		2DW232			5		
		2DW233					
		2DW234					
		2DW235					
		2DW236					
<i>Ambient Temperature</i>	Tamb	All	-50		150	°C	
<i>Storage Temperature</i>	Tstg	All	-50		150	°C	

Translator's Notes

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