

BZ* Zener Diodes

All around talents with many footprints

Standard Zener diodes are available for various purposes and applications, with a wide range of packages to fit any PCB design footprint. Renowned for their precision voltage regulation and stability, these components are essential in numerous electronic circuits. Explore our diverse selection to find the perfect match for your specific needs, ensuring optimal functionality and longevity in your designs.

Portfolio

- › Zener voltage range from 2.4 V up to 75 V
- › Operating V_z at 5 mA
- › European A, B & C specification
- › Voltage tolerance of $\pm 5\%$, $\pm 2\%$ and $\pm 1\%$
- › Leaded and leadless package options
- › Automotive and standard versions available

Benefits

- › Best in class 1 % accuracy available
- › Single and double options
- › 1:1 replacement for PZU*Series

Key applications

- › General regulation functions

Ideal for

- › Environments where the current is ensured to stay continuously above 0.5 mA
- › Applications that do not require clamping

In other cases, please look for a suitable option from our PZU families

Package Landscape



- › **DFN1006BD-2**
Side Wettable Flanks
1 x 0.6 x 0.47 mm



- › **DFN1006-2**
Ultra Small Leadless
1 x 0.6 x 0.47 mm



- › **SOD323**
Flat leads
1.2 x 0.8 x 0.6 mm



- › **SOD323**
Standard leads
1.2 x 0.8 x 0.6 mm



- › **SOD123F**
Flat Leads
2.6 x 1.6 x 1.1 mm



- › **SOD123**
Flat Leads
2.6 x 1.6 x 1.1 mm



- › **SOD523**
Small Flat Leads
1.2 x 0.8 x 0.6 mm



- › **SOT323**
Standard leads
2.9 x 1.9 x 1 mm













- › **SOT23**
Standard leads
2.9 x 1.9 x 1 mm

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EFFICIENCY WINS.

General purpose Zener Diodes

I_F max (mA)	P_{ZSM} (W)	V_Z nom (V)	V_Z tolerance	Note	Configuration	Series	Package	Automotive - qualified	Size (mm)	P_{tot} (mW)
200	40	2.4~75	B, C	Europe	Single	BZX884S-Q series		Yes	1.0 x 0.6 x 0.47	365
						BZX884S series		No		
200	40	2.4~75	B, C	Europe	Single	BZX884-Q series		Yes	1.0 x 0.6 x 0.48	250
		2.4~75	B, C	Europe		BZX884 series		No		250
200	40	2.4~75	B, C	Europe	Single	BZX585-Q series		Yes	1.2 x 0.8 x 0.6	300
		2.4~75	B, C			BZX585 series		No		
		2.4~36	B			SZMM5Z series		Yes		
			B			MM5Z series		No		
250	40	2.4~75	A,B,C	Europe	Single	BZX384-Q series		Yes	1.7 x 1.25 x 0.95	300
	40		B			BZX384 series		No		
						SZMM3Z series		Yes		
						MM3Z series		No		
250	40	2.4~75	B, C	Europe	Single	BZX84J-Q series		Yes	1.7 x 1.25 x 0.7	550
		2.4~75	B, C			BZX84J series		No		
250	40	2.4~75	B, C	Europe	Single	BZT52-Q series		Yes	2.7 x 1.6 x 1.2	590
		2.4~75	B, C			BZT52 series		No		
300	40	2.4~75	A,B, C	Europe	Single	BZT52H-Q series		Yes	2.6 x 1.6 x 1.1	830
	40	2.4~75	A,B, C			BZT52H series		No		
200	40	2.4~75	B, C	Europe	Dual c.a.	BZB84-Q series		Yes	2.9 x 1.3 x 1.0	300
		2.4~75	B, C		BZB84 series	No				
		2.4~75	A,B, C		Single	BZX84-Q series		Yes		250
		2.4~75	A,B, C			BZX84 series		No		
200	40	2.4~15	C	Europe	Dual c.a.	BZB784-Q series		Yes	2.0 x 1.25 x 0.95	350
						BZB784 series		No		
200	40	2.4~75	B, C	Europe	Single	BZX84W-Q series		Yes	2.0 x 1.25 x 0.95	275
		2.4~75	B, C		Single	BZX84W series		No		

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