

# Semiconductors-Discretes

## Switching Diodes

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

**SOD523**

DIMENSIONS (mm are the original dimensions)

UNIT	A	bp	c	D	E	HE	v
mm	0.7	0.35	0.2	1.3	0.9	1.7	0.15
	0.5	0.25	0.1	1.1	0.7	1.5	

**SOD523V**

DIMENSIONS (mm are the original dimensions)

UNIT	A	bp	c	D	E	HE	v
mm	0.65	0.34	0.17	1.25	0.85	1.65	0.1
	0.58	0.28	0.11	1.15	0.75	1.55	

**SOD110**

DIMENSIONS (mm are the original dimensions)

UNIT	A	bp	c	D	E	HE	v
mm	1.40	0.70	0.35	2.10	1.40	2.10	0.15
	1.10	0.50	0.25	1.80	1.10	1.80	

**SOD-323**

DIMENSIONS (mm are the original dimensions)

DIM	MIN	MAX	MIN	MAX
A	1.52	1.93	0.985	0.971
B	1.15	1.35	0.945	0.953
C	0.80	1.00	0.031	0.039
D	0.25	0.40	0.010	0.018
E	0.15 REF	0.000 REF		
H	0.00	0.10	0.000	0.004
J	0.089	0.177	0.0035	0.0070
K	2.32	2.70	0.991	0.106
L	0.075	0.000	0.000	

**SOT-23 (TO-236AB)  
CASE 318-08  
ISSUE AF**

DIMENSIONS (mm are the original dimensions)

DIM	MIN	MAX	MIN	MAX
A	0.1102	0.1197	2.80	3.04
B	0.0472	0.0551	1.20	1.40
C	0.0250	0.0440	0.89	1.11
D	0.0150	0.0200	0.37	0.50
G	0.0701	0.0807	1.78	2.04
H	0.0005	0.0040	0.013	0.100
J	0.0034	0.0070	0.085	0.177
K	0.0140	0.0285	0.35	0.69
L	0.0350	0.0401	0.89	1.02
S	0.0630	0.1039	2.10	2.84
V	0.0177	0.0296	0.45	0.60

**SOT-23 (TO-236AB)  
CASE 318-09  
ISSUE AH**

DIMENSIONS (mm are the original dimensions)

DIM	MIN	MAX	MIN	MAX
A	0.1102	0.1197	2.80	3.04
B	0.0472	0.0551	1.20	1.40
C	0.0285	0.0498	0.99	1.28
D	0.0140	0.0200	0.36	0.50
G	0.0670	0.0826	1.70	2.10
H	0.0040	0.0098	0.10	0.25
J	0.0034	0.0070	0.085	0.177
K	0.0150	0.0236	0.45	0.60
L	0.0350	0.0401	0.89	1.02
S	0.0830	0.0984	2.10	2.50
V	0.0177	0.0236	0.45	0.60

**SOD80C**

Dimensions in mm

**SOT143**

**SOT23**

**DO 35**

DIMENSIONS

REF.	Millimeters		Inches	
	Min.	Max.	Min.	Max.
A	3.05	4.50	0.120	0.177
B	1.53	2.00	0.060	0.079
C	12.7	0.500		
D	0.458	0.558	0.018	0.022

**SOD-64**

Dimensions in mm

**SMD3(SC-59)**

Dimensions in mm

**DO-35**

Dimensions in inches and (millimeters)

**TO-226AA (TO-92)  
Modified**

**USC**

DIM MILLIMETERS

A	2.50±0.1
B	1.25±0.05
C	0.90±0.05
D	0.30±0.06/-0.04
E	1.70±0.05
F	MIN 0.17
G	0.126±0.03
H	0-0.1
I	1.0 MAX
J	0.15±0.05
K	0.4±0.05
L	2'-4'-2
M	4-6"

Part No.	Product No.	Manufacturer	Description	Package	Vrrm	IF (A)	Marking
29519	BA277	PHILIPS	PHILIPS_Switching Diodes	SOD523	35V	100mA	MAM399
29521	BA278	PHILIPS	PHILIPS_Switching Diodes	SMD(plastic)	35V	100mA	MBK258
32375	BA792	PHILIPS	Band-switching diode	SOD110	35V	100mA	MAM139
22762	BA892		Switching Diode	SOD523 (SC79)	35V	100mA	
28105	BAS16HT1	ZOWIE	SMD Switching Diode	SOD-323	75Vdc	200 mAdc	A6 M
15973	BAS16LT1	ON-Semi.	High-speed diode	3P/SOT-23	75V	100mA	A6
41808	BAS20HT1G	ON-Semi.	High VoltageSwitching Diode	SOD-323	200V	200mA	
32382	BAS216	PHILIPS	High-speed switching diode	SOD110	85V	250MA	MAM139
15979	BAS21LT1	ON-Semi.	High Voltage Switching Diode	3P/SOT-23 (TO-236AB)	250V	200mA	JS
32384	BAS28	Infineon	Silicon Switching Diode	SOT143	85V	200mA	
32385	BAS32L	PHILIPS	High-speed diode	SOD80C	75V	200mA	
32387	BAS40	Infineon	Silicon Schottky Diode	SOT23	40V	120mA	43s
32389	BAT15-099	Infineon	Silicon Schottky Diodes	SOT143		110mA	S5s
32392	BAT17	Infineon	Silicon Schottky Diode	SOT23		130mA	53s
32393	BAT17-04	Infineon	Silicon Schottky Diode	SOT23		130mA	54s
32398	BAT46	DACO	SMALL SIGNAL SCHOTTKY DIODE	DO 35	100v	150mA	
32402	BAT62	Infineon	Silicon Schottky Diode	SOT143	40v	20mA	62s
32403	BAT64	Infineon	Silicon Schottky Diodes	SOT23	40V	250mA	63s
39470	BYT56J	VISHAY	Fast Avalanche Sinterglass Diode	SOD-64	600V	3A	
47781	DAN202K	ROHM	Switching Diode	SMD3(SC-59)	80V	300mA	N
47782	DAN217	ROHM	Switching Diode	SMD3(SC-59)	80V	300mA	BA
41880	DAN222T1	ON-Semi.	Common Cathode SiliconDual Switching Diode	SC-75	80V	0.1A	
22605	HMBD914	HSMC	HIGH-SPEED SWITCHING DIODE	3P/SOT-23	70V	200mA	
41665	IN4148	ST(SGS)	Switching DIODE	DO-35	100V	10mA	
34470	JPAD5	VISHAY	Low-Leakage Pico-Amp Diodes	TO-226AA (TO-92)	20V	10mA	
41406	KDS135	KEC	High Voltage Switching.	USC	300V	300MA	JP



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