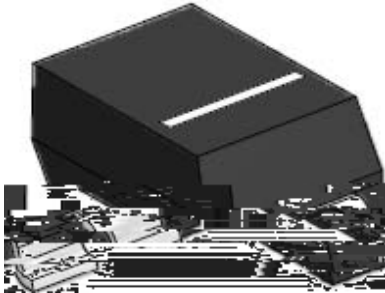


## Small-Signal Switching Diodes

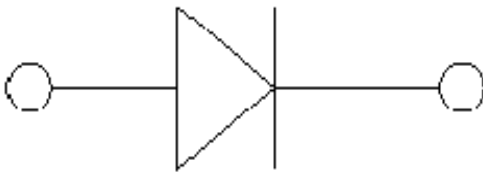


### Features

$V_R$  80V  
 $I_{FAV}$  150mA

### Typical Applications

Extreme fast switches



### Mechanical Data

**Package:** SOD323

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

**Polarity:** Cathode line denotes the cathode end

**Marking:** A

### Maximum Ratings ( $T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	$V_{RRM}$	V		90
Maximum DC Blocking	$V_{DC}$	V		80
Peak forward surge current	$I_{FSM}$	A	$t_p=1\mu s$	2
Average forward current	$I_{FAV}$	mA		150
Power dissipation	$P_{tot}$	mW		200
Maximum junction temperature	$T_j$			-65 to +150
Storage temperature range	$T_{stg}$			-65 to +150

### Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Maximum Forward voltage	$V_F$	mV	$I_F=100mA$	1200
Maximum Reverse current	$I_R$	nA	$V_R=80V$	100
Minimum Breakdown voltage	$V_R$	V	$I_R=1\mu A$	80
Maximum Diode capacitance	$C_D$	pF	$V_R=6.0V, f=1MHz$	3.0
Maximum Reverse recovery time	$t_{rr}$	ns	$I_F=10mA, V_R=6V$	4



# 1SS355

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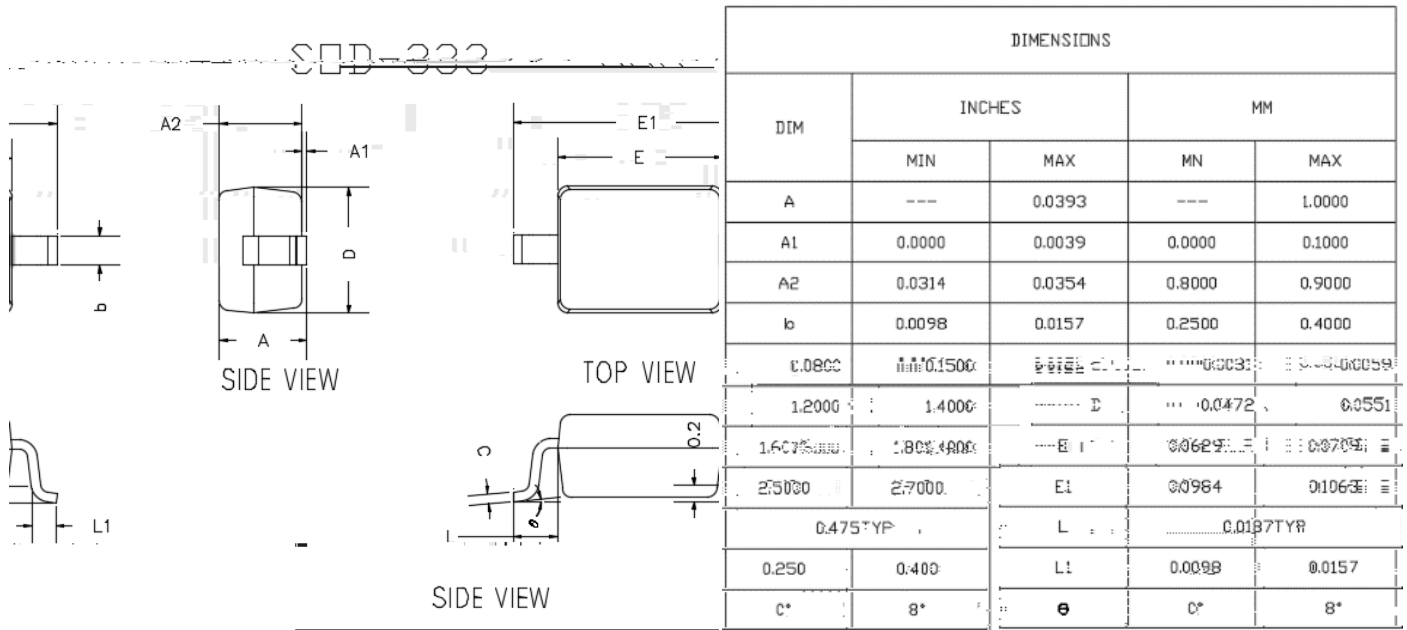
## Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
1SS355	F2	Approximate 0.0048	3000	30000	120000	0

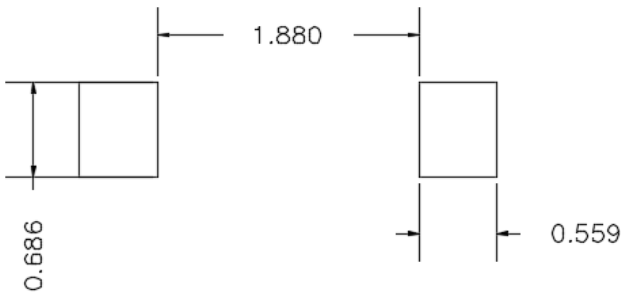


# 1SS355

## Outline Dimensions



## Soldering Footprint



UNIT: mm

~~SUGGESTED SOLDER PAD LAYOUT~~



## Disclaimer

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