

Features

- Halogen Free. "Green" Device (Note 1)
- AEC-Q101 Qualified
- High Speed Switching Diode
- · Fast Switching Speed
- For General Purpose Switching Applications
- · Moisture Sensitivity Level 1
- · Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

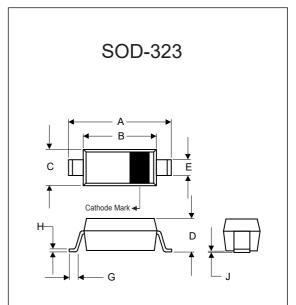
- Operating Junction Temperature Range: -65°C to +150°C
- Storage Temperature Range: -65°C to +150°C

MCC Part Number	Device Marking		
1SS355HE3	A		

Parameter	Symbol	Value
Peak Repetitive Reverse Voltage	V_{RRM}	90V
DC Reverse Voltage	V _R	80V
RMS Reverse Voltage	V _{R(RMS)}	63V
Forward Continuous Current	I _{FM}	150mA
Peak Forward Surge Current	I _{FSM}	0.5A

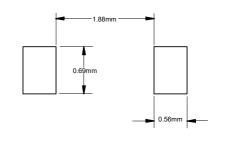
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

90 Volt Switching Diode



DIMENSIONS					
DIM INCHES		HES	MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	NOTE
Α	0.090	0.107	2.30	2.70	
В	0.063	0.071	1.60	1.80	
С	0.045	0.053	1.15	1.35	
D	0.031	0.045	0.80	1.15	
Е	0.010	0.016	0.25	0.40	
G	0.004	0.018	0.10	0.45	
Н	0.004	0.010	0.10	0.25	
J		0.006		0.15	

Suggested Solder Pad Layout





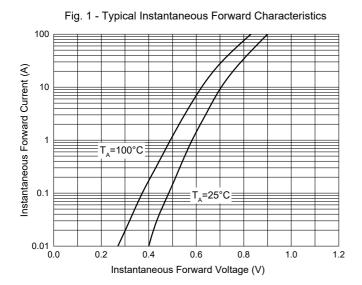
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

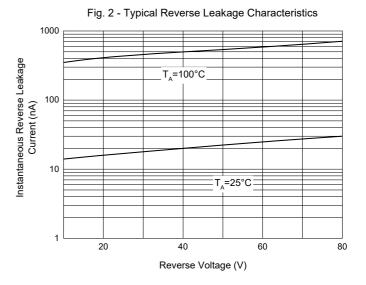
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Forward Voltage	V _F	I _F =100mA			1.2	V
Reverse Current	I _R	V _R =80V			0.1	μΑ
Junction Capacitance	CJ	V _R = 6V, f = 1MHz		3		pF
Reverse Recovery Time	t _{rr}	$I_F = I_R = 10 \text{mA},$ $I_{rr} = 0.1 \times I_R, R_L = 100 \Omega$			4	ns

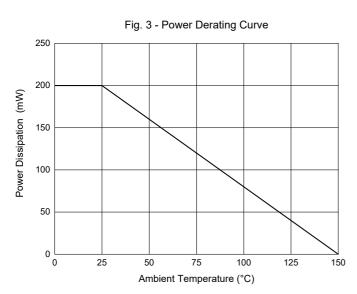
^{*} Pulse Test: Pulse Width 300 µsec, Duty Cycle 2%



Curve Characteristics







Rev.3-4-12012020 3/4 MCCSEMI.COM



Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel: 3Kpcs/Reel		

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