

Features

- · High Reliability
- High Speed (Trr=1.5ns Typ.)
- Halogen Free. "Green" Device (Note 1)
- · 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: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Numbe	r	Device Marking	Peak Reverse Voltage V _{RM}
DAP202U		Р	80V
Peak Forward Curren	I _{FM}	300mA	
Average Rectified Output Current	I _o	100mA	
Power Dissipation	P_{D}	200mW	

Electrical Characteristics @ 25°C Unless Otherwise Specified

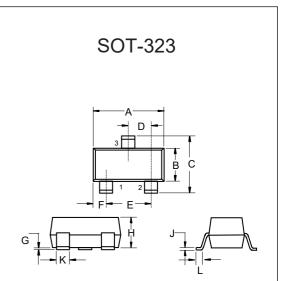
Minimum Reverse Breakdown Voltage	V_{BR}	80V	I _R =100μA
Maximum Forward Voltage	V_{F}	1.2V	I _F =100.0mA
Maximum Reverse Current	I _R	0.1μΑ	V _R =70V
Maximum Diode Capacitance	C_D	3.5pF	V _R =6.0V,f=1.0MHz
Maximum Reverse Recovery Time	t _{rr}	4.0ns	I _F =5mA, V _R =6V

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

Internal Structure

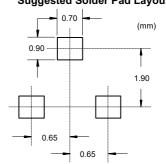


100 mA Switching Diode 80 Volts



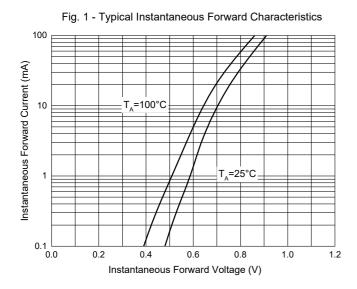
DIMENSIONS						
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOTE	
Α	0.071	0.087	1.80	2.20		
В	0.045	0.053	1.15	1.35		
С	0.083	0.096	2.10	2.45		
D	0.026		0.65		TYP.	
E	0.047	0.055	1.20	1.40		
F	0.012	0.016	0.30	0.40		
G	0.000	0.004	0.00	0.10		
Н	0.035	0.044	0.90	1.10		
J	0.002	0.010	0.05	0.25		
K	0.006	0.016	0.15	0.40		
L	0.010	0.018	0.26	0.46		

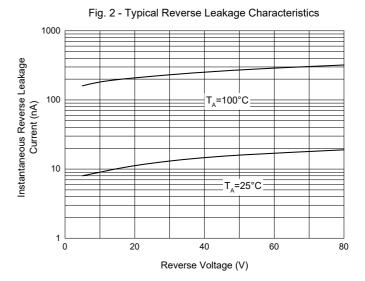
Suggested Solder Pad Layout

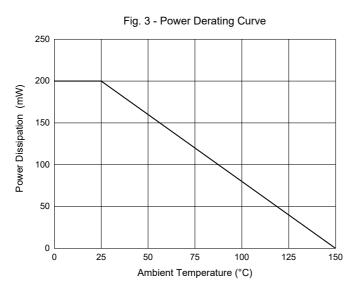




Curve Characteristics







Rev.3-3-12012020 2/3 MCCSEMI.COM



Ordering Information

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

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