

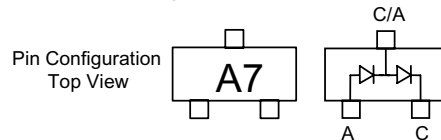


Micro Commercial Components

Micro Commercial Components
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Features

- Low Current Leakage
- Low Cost
- Small Outline Surface Mount Package
- Case Material: Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1



Maximum Ratings

- Operating Temperature: -40°C to +150°C
- Storage Temperature: -55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

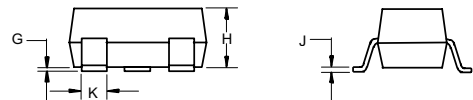
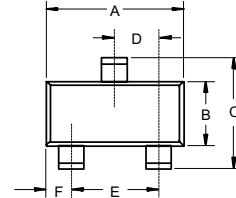
Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	80	V
DC reverse voltage	V_R	80	V
Maximum forward current	I_{FM}	300	mA
Average forward current	I_O	100	mA
Surge current	I_{FSM}	1000	mA
Power dissipation	P_D	200	mW
Junction temperature	T_J	150	°C

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	V_{BR}	$I_R=100\mu A$	80		V
Reverse voltage leakage current	I_R	$V_R=70V$		0.2	μA
Forward voltage	V_F	$I_F=100mA$		1200	mV

DAN217U

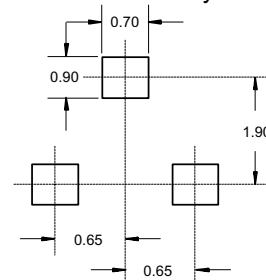
200mW 80Volt Plastic-Encapsulate Diode

SOT-323



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.079	.087	2.00	2.20	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.012	.016	.30	.40	

Suggested Solder
Pad Layout



www.mccsemi.com

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Typical Characteristics



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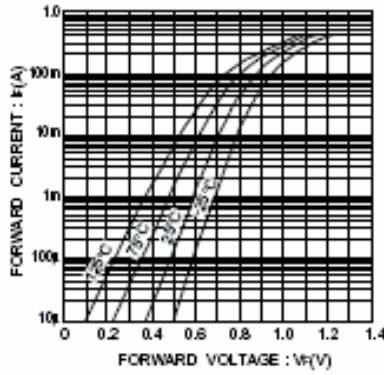


Fig.1 Forward characteristics

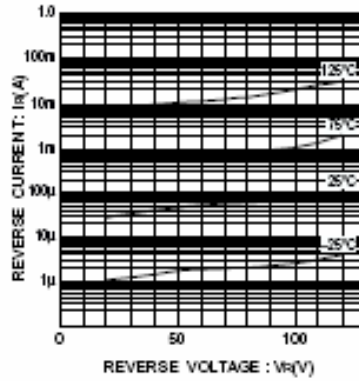


Fig.2 Reverse characteristics

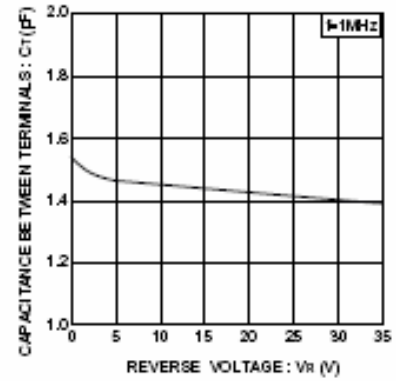


Fig.3 Capacitance between terminals characteristics



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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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