



Solid State Devices, Inc.

14830 Valley View Blvd * La Mirada, Ca 90638

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SDR5712A2GW

16 VOLTS GENERAL PURPOSE SILICON RECTIFIER

Designer's Data Sheet

Part Number / Ordering Information ^{1/} ^{2/} ^{3/}

SDR5712A2



Screening ^{2/} = Not Screen

TX = TX Level

TXV = TXV Level

S = S Level

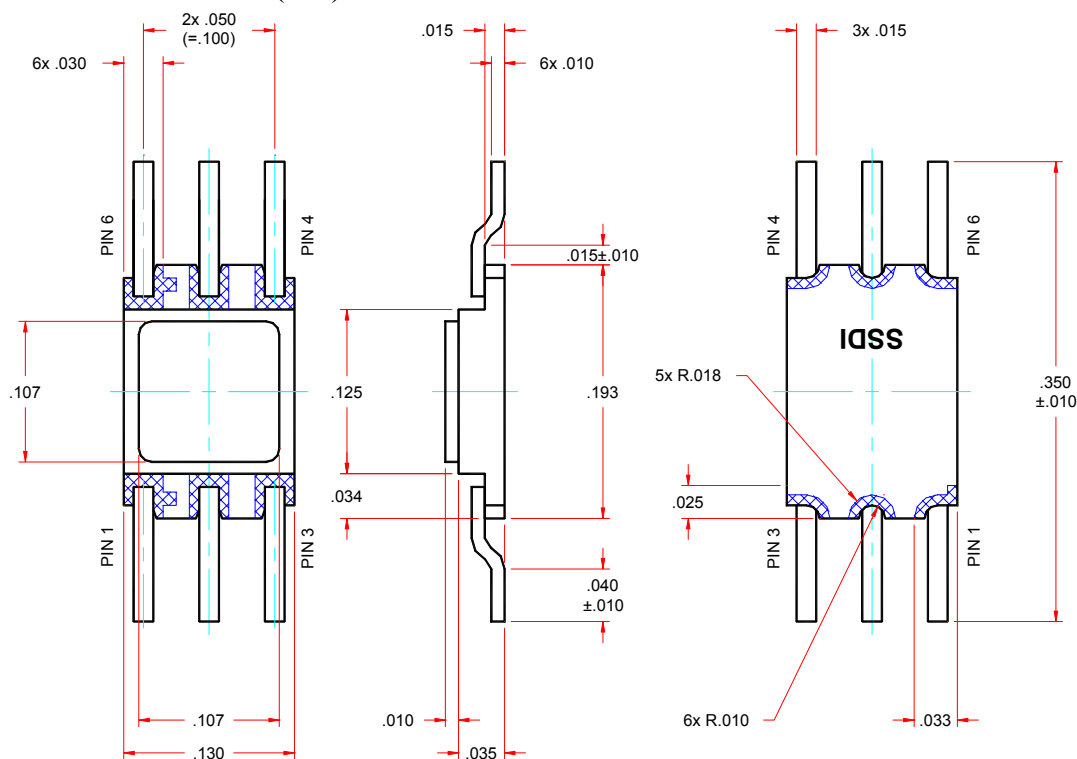
Package ^{3/} GW = Gullwing

FEATURES:

- General Purpose Use in Industrial Service
- Operating Temperature Range -65°C to 200°C
- Power Dissipation 250 mW

MAXIMUM RATINGS	Symbol	Value	Units
Working Peak Inverse Voltage	PIV	16	Volts
Power Dissipation @ T _A = 25°C	P _D	250	mW
Derating Factor from T _A = 25°C to 200°C		1.43	mW/°C
Operating and Storage Temperature	T _J , T _{stg}	-65 to +200	°C

PACKAGE OUTLINE: GULLWING (GW)



NOTE: All specifications are subject to change without notification.
SSDI's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RC0087B

DOC

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ELECTRICAL CHARACTERISTICS		Symbol	Max	Units
Maximum Forward Voltage Drop *	($I_{F1} = 1.0 \text{ mA}$)	V_{F1}	0.41	Volts
	($I_{F2} = 35 \text{ mA}$)	V_{F2}	1.00	
Maximum Reverse Leakage Current *	($V_{R1} = 15 \text{ V}$)	I_{R1}	100	nA
	($V_{R2} = 20 \text{ V}$)	I_{R2}	10	μA
Max Output Capacitance	($V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$)	C_J	1.2	pF

NOTES:* Pulse Test: Pulse Width = 300 μsec , Duty Cycle = 2%1/ For Ordering Information, Price, and Availability Contact Factory.2/ Screening per MIL-PRF-195003/ For Package Outlines Contact Factory.4/ Unless Otherwise Specified, All Electrical Characteristics @25°C.**Available Part Numbers:****SDR5712A2GW****PIN ASSIGNMENT (Standard)**

Package	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6
Gullwing	C1	--	A1	C2	--	A2