



Solid State Devices, Inc.

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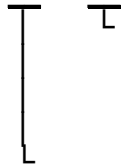
SDR5712A2GW

**16 VOLTS
 GENERAL PURPOSE
 SILICON RECTIFIER**

Designer's Data Sheet

Part Number / Ordering Information ^{1/}

SDR5712A2



Screening ^{2/} = Not Screen
 TX = TX Level
 TXV = TXV Level
 S = S Level

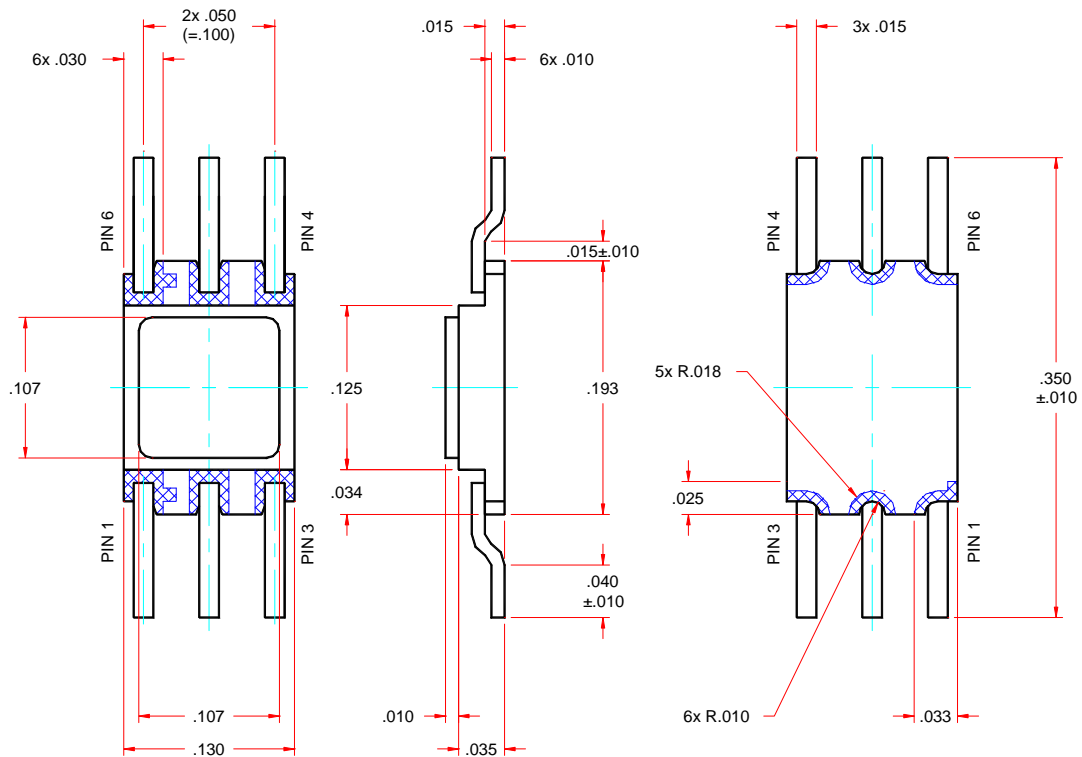
Package ^{3/} GW = Gullwing

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 Derating Factor from T _A = 25°C to 200°C	P _D	250 1.43	mW 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. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RC0087C

DOC



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ELECTRICAL CHARACTERISTICS		Symbol	Max	Units
Maximum Forward Voltage Drop ^{5/}	$I_{F1} = 1.0 \text{ mA}$	V_{F1}	0.41	V
	$I_{F2} = 35 \text{ mA}$	V_{F2}	1.00	
Maximum Reverse Leakage Current ^{5/}	$V_{R1} = 15 \text{ V}$	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	2	pF

NOTES:
1/ For Ordering Information, Price, and Availability Contact Factory.
2/ Screening per MIL-PRF-19500
3/ For Package Outlines Contact Factory.
4/ Unless Otherwise Specified, All Electrical Characteristics @ 25°C.
5/ Pulse Test: Pulse Width = 300μsec, Duty Cycle = 2%

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