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Full Rectifier Assemblies

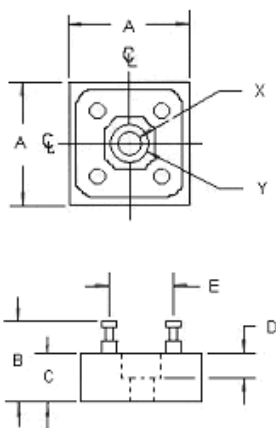
Single Phase Full Wave Bridge, Fast Recovery
SDA267 SERIES

QUICK REFERENCE:

$V_R=50V - 1000V$
 $I_F=10A$
 $I_R=2.0\mu A$
 $T_{RR}=150nS$

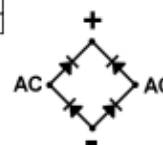
FEATURES:

Low Forward Voltage Drop
Low Reverse Leakage Current
Black Anodize Aluminum Case
Low Thermal Impedance
Insulated Electrical Connections



DIM	INCHES		NOTE
	MIN	MAX	
A	.735	.765	—
B	—	.50	—
C	—	.30	—
D	.135	.165	—
E	.38	.42	—
X	.132	.165	DIA
Y	.22	.25	DIA

NOTES:
POLARITY MARKED ON
CASE



ABSOLUTE MAXIMUM RATINGS

Device Type	Peak Inverse Voltage PIV	RMS Input Voltage	Average DC Output Current (I_F)					Peak Forward Surge Current (single cycle) I_{FSM}
			$T_C@55^\circ C$	$T_C@100^\circ C$	$T_A@25^\circ C$	$T_A@55^\circ C$	$T_A@100^\circ C$	$T_C @25^\circ C$
	Volts	Volts	Amps	Amps	Amps	Amps	Amps	Amps
SDA267A	50	35	10	6	4	3	1.7	125
SDA267B	100	70	10	6	4	3	1.7	125
SDA267C	200	140	10	6	4	3	1.7	125
SDA267D	400	280	10	6	4	3	1.7	125
SDA267E	600	420	10	6	4	3	1.7	125
SDA267F	800	560	10	6	4	3	1.7	125
SDA267G	1000	700	10	6	4	3	1.7	125

ELECTRICAL CHARACTERISTICS (@ $T_C=25^\circ C$ unless otherwise stated)

Device Type	Maximum Reverse Leakage Current I _R @ V _{RWM}		Maximum Reverse Forward Voltage V _F @ I _F		Reverse Recovery Time ¹ T _{rr}
	@25°C	@100°C			
	µA	µA	Volts	Amps	nS
SDA267A	2	50	1.2	3	150
SDA267B	2	50	1.2	3	150
SDA267C	2	50	1.2	3	150
SDA267D	2	50	1.2	3	150
SDA267E	2	50	1.2	3	150
SDA267F	2	50	1.2	3	150
SDA267G	2	50	1.2	3	150

¹ Measured on discrete devices prior to assembly. Conditions $I_F=.5A$, $I_R=1A$, $I_{rr}=.25A$. @ $T_L=25^\circ C$

TEMPERATURE CHARACTERISTICS

Operating & Storage Temp Range..... $-55^\circ C$ TO $+150^\circ C$
Thermal Impedance..... $5^\circ C/W$ Typical

Specifications subject to change without notice to ensure a better product

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