



180 Lafayette Road
 North Hampton, NH 03862-2448
 PH: 603-964-3165
 FX: 603-964-3168
 WWW.PDEELECTRONICS.COM

Bridge Assembly
 Single Phase, Standard Recovery
 SDA276 Series

FEATURES

- Low Forward Voltage Drop
- Low Reverse Leakage
- PCB Mounting
- Void-less Encapsulation
- High Forward Surge Capability
- Glass Passivated Diodes Utilized

QUICK REFERENCE DATA

- PIV: from 50V to 3000V
- Recovery Time: 2000 nSEC
- Forward Current: .36A- 1.5A
- Reverse Current: 2μA
- Fast Recovery Series Available

ELECTRICAL CHARACTERISTICS					MAX RATINGS			
Type	PIV	Reverse Current Per Leg		Maximum Reverse Recovery Time T_{RR}	Forward Voltage $V_F @ I_F$	Average Rectified Output Current		1 Cycle Surge Current I_{FSM}
		I_R				$I_{F(AV)}$		
		$T_C = +25^\circ C$	$T_C = +100^\circ C$	*1	*2	$T_C = +55^\circ C$	$T_C = +100^\circ C$	$T_A = +25^\circ C$
	Volt	μA	μA	nS	Volt @ Amp	Amps	Amps	Amps
Standard Recovery								
SDA276A	50	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276B	100	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276C	200	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276D	400	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276E	600	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276F	800	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276G	1000	2.0	40.0	2000	1.20 @ 1.50	1.50	1.00	10.0
SDA276H	1500	2.0	40.0	2500	3.50 @ 1.50	0.36	0.24	2.50
SDA276J	2000	2.0	40.0	2500	3.50 @ 1.50	0.36	0.24	2.50
SDA276K	2500	2.0	40.0	2500	3.50 @ 1.50	0.36	0.24	2.50
SDA276L	3000	2.0	40.0	2500	3.50 @ 1.50	0.36	0.24	2.50

*1) $I_F = .5A$, $I_R = 1A$, $I_{rec} = .25A$, measured on discrete rectifiers prior to assembly at $T_a = +25^\circ C$

*2) Pulse Width = 300uSEC, Duty Cycle = 2% Max, $T_a = +25^\circ C$

THERMAL CHARACTERISTICS

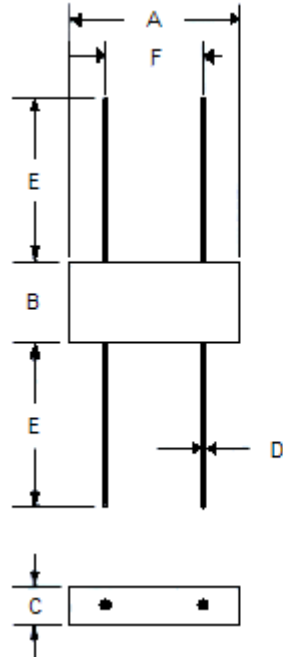
Operating and Storage Temperature.....-55°C TO +150°C



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MECHANICAL CHARACTERISTICS



DIM	INCHES		NOTE
	MIN	MAX	
A	-	.65	-
B	-	.44	-
C	-	.21	-
D	.026	.033	DIA
E	.875	-	-
F	.34	.40	-

NOTE:
TERMINAL ID MARKED ON CASE
RED- POSITIVE OUTPUT
YELLOW- AC OUTPUT
GREY- NEGATIVE OUTPUT