

# RECTIFIER ASSEMBLIES

673, 676 SERIES

Single Phase Bridges, 1.5Amp,  
Standard and Fast Recovery

## FEATURES

- Miniature Package
- Surge Ratings: to 25A
- PIV's: from 100 to 600V
- Recovery Times: to 500ns
- Controlled Avalanche Characteristics
- Only Fused-in-Glass Diodes Used

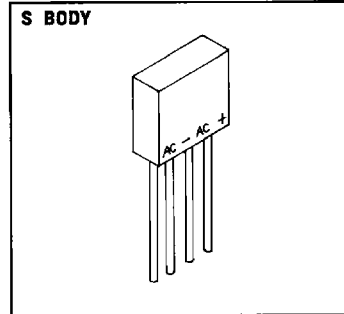
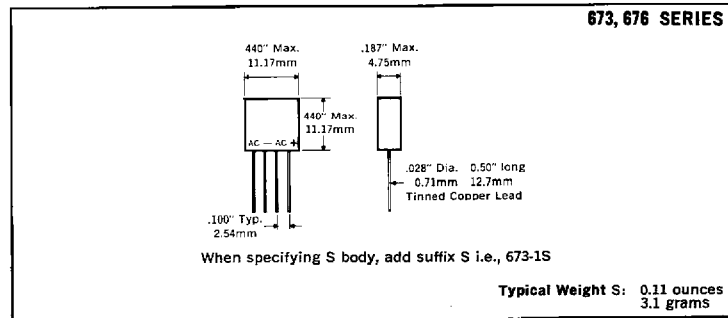
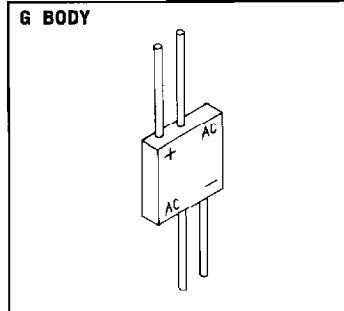
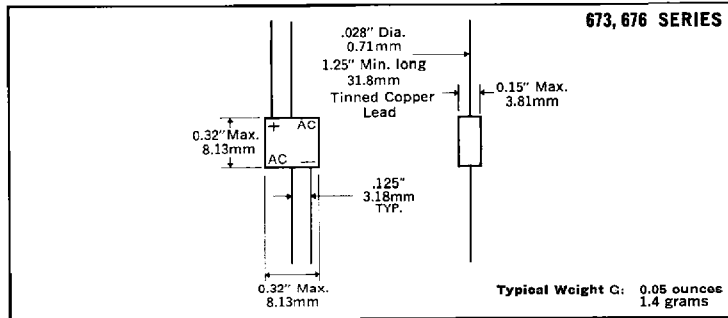
## DESCRIPTION

These miniature transfer-molded single-phase power bridges are designed for universal application in power supplies. One basic bridge assembly comes in a choice of lead configurations for mounting in wired chassis or on printed boards.

## ABSOLUTE MAXIMUM RATINGS

Peak Inverse Voltage ..... 100 to 600V  
 Maximum Average D.C. Output Current ..... See Electrical Specifications  
 Non-Repetitive Sinusoidal Surge (8.3mS) ..... See Electrical Specifications  
 Operating and Storage Temperature Range ..... -65°C to +150°C  
 Thermal Resistance Junction to Ambient ..... 50°C/W

## MECHANICAL SPECIFICATIONS



## MARKING

Alternating Current Input	A.C.
Cathode — Positive Output	+
Anode — Negative	-

Part number is printed on the body.

**Microsemi Corp.**  
**Watertown**  
 The diode experts

Electrical Specifications (at 25°C unless noted)					Maximum Ratings		
Type	PIV Per Leg	Maximum Forward Drop Per Leg	Leakage Current Per Leg		Maximum Reverse Recovery Time†	Maximum Average D.C. Output Current $T_A = 25^\circ\text{C}$	Non-Repetitive Sinusoidal Surge (8.3ms)
			$T_A = 25^\circ\text{C}$	$T_A = 100^\circ\text{C}$			
	Volts		$\mu\text{A}$	$\mu\text{A}$	ns	Amps	Amps
Standard Recovery	673-1	100	1.1V @ 1.0A	2	—	1.5	25
	673-2	200					
	673-3	300					
	673-4	400					
	673-5	500					
	673-6	600					
Fast Recovery	676-1	100	1.1V @ 0.5A	3	500	1.0	20
	676-2	200					
	676-3	300					
	676-4	400					
	676-5	500					
	676-6	600					

†Measured in a reverse recovery circuit switching from 10mA forward to 10mA reverse current recovering to 5mA.

