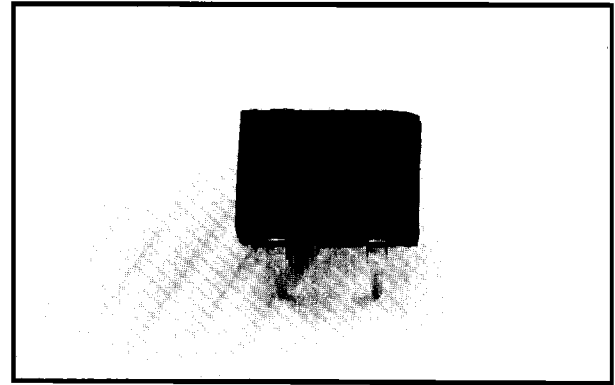


# DF005 Thru DF10

## 1 AMP BRIDGE RECTIFIER



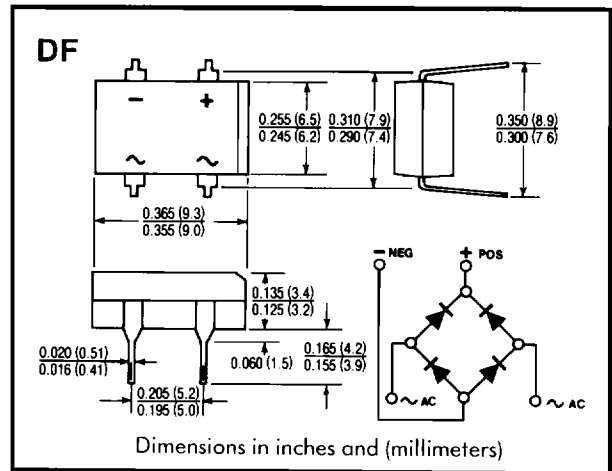
### FEATURES

- Rating to 1000V PRV
- Surge overload rating to 30 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- UL recognized: File #E106441
- UL recognized 94V-O plastic material

### Mechanical Data

- Case: Molded Plastic
- Leads: Silver plated copper
- Leads solderable per MIL-STD-202, Method 208
- Polarity: Symbols molded on body
- Weight: 0.02 ounce, 0.45 grams

### Outline Drawing



### Maximum Ratings & Characteristics

- Ratings at 25° C ambient temperature unless otherwise specified
- Single phase, half wave, 60Hz, resistive or inductive load
- For capacitive load, derate current by 20%

		DF005	DF01	DF02	DF04	DF06	DF08	DF10	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Input Voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum Average Forward Out put Current @ $T_A = 40^\circ C$	$I_{AV}$	1.0							A
Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave Superimposed On Rated Load	$I_{FSM}$	30							A
Maximum DC Forward Voltage Drop Per Element At 1.0A DC	$V_F$	1.1							V
Maximum Reverse Current At Rated DC Blocking Voltage per Element @ $T_A = 25^\circ C$	$I_R$	5							$\mu A$
		0.5							mA
$I^2 t$ Rating for Fusing ( $t < 8.3ms$ )	$I^2 t$	3.7							$A^2 S$
Operating Temperature Range	$T_J$	-55 to +125							$^\circ C$
Storage Temperature Range	$T_{STG}$	-55 to +150							$^\circ C$