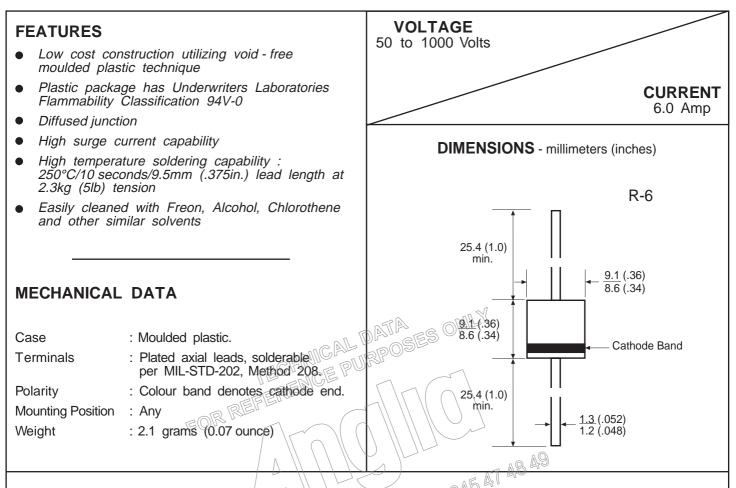


## 6 AMP SILICON RECTIFIERS

## 6A05 THRU 6A10

#### TECHNICAL SPECIFICATION



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

- AC

	Bo	Symbols	6A05	6A1	6A2	6A4	6A6	6A8	6A10	Units
Maximum Recurrent Peak Reverse Voltage		V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 9.5mm (.375in.) Lead Length at $T_A = 60^{\circ}C$		I <sub>F(AV)</sub>	6.0							A
Peak Forward Surge Current, 8.3 ms single half sine - wave superimposed on rated load		I <sub>FSM</sub>	400							A
Maximum Instantaneous Forward Voltage at 6.0A		V <sub>F</sub>	0.95							V
Maximum Reverse Current at Rated DC Blocking Voltage	$T_A = 25^{\circ}C$	- I <sub>R</sub>	5.0							μA
	$T_{A} = 100^{\circ}C$		1							mA
Maximum Full load Reverse Current Full Cycle Average, 12.5mm (.5in.) Lead Length at $T_L = 100^{\circ}C$		I <sub>R(AV)</sub>	1							mA
Typical Junction Capacitance (see Note 1)		CJ	300							pF
Typical Thermal Resistance (see Note 2)		R <sub>THja</sub>	10							°C/W
Operating Temperature Range		TJ	- 50 to + 150							°C
Storage Temperature Range		T <sub>STG</sub>	- 50 to + 150							°C

Notes :

- 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts
- 2. Thermal Resistance from Junction to Ambient at 12.5mm (.5in.) lead length



# 6A05 THRU 6A10

#### RATING AND CHARACTERISTIC CURVES

