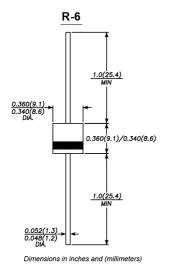


6A05 THRU 6A10

GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 6.0 Amperes



FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- Low reverse leakage
 High forward surge current capability
- → High temperature soldering guaranteed: 260°C/10 seconds,0.375"(9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: R-6 molded plastic body

Terminals: Plated axial leads, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.072 ounce, 2.05 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load for capacitive load current derate by 20%.

	SYMBOLS	6A05	6A1	6A2	6A4	6A6	6A8	6A10	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	Vpc	50	100	200	400	600	800	1000	V
Maximum average forward rectified current 0.375"(9.5mm) lead length at Ta=75°C	l(AV)	6.0						Α	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	İFSM	250						Α	
Maximum instantaneous forward voltage at 6.0A	VF	1.0						V	
Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C	lr	10.0 400						μΑ	
Typical junction capacitance (NOTE 1)	C¹	150						pF	
Typical thermal resistance (NOTE 2)	Reja	10.0						°C/W	
Operating junction and storage temperature range	Т _J ,Тsтg	-55 to +150							ô

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0 V D.C.

2.Thermal resistance from junction to ambient at 0.375" (9.5mm)lead length, P.C.B. mounted



RATINGS AND CHARACTERISTIC CURVES 6A05 THRU 6A10

