

PLASTIC SILICON RECTIFIERS

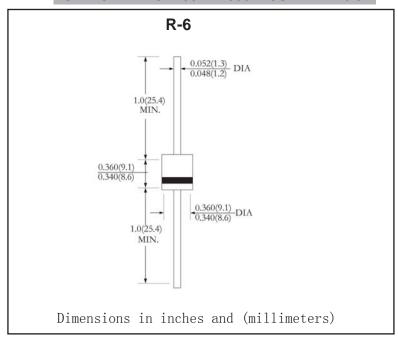
FEATURES

- The plastic package carries Underwrites Laboratory
 Flammability Classification 94V-0
- High forward current capability
- •High surge current capability
- Construction utilizes void-free molded plastic technique
- High temperature soldering guaranteed:260 ℃/10 seconds at terminals *Component in accordance to RoHs 2002/95/EC and WEEE 2002/96/EC

MECHANICAL DATA

- •Case:R-6 molded plastic body
- •Terminals:Lead solderable per MIL-STD-750,method 2026
- •Polarity:Color band denotes cathode end
- Mounting Position: Any

VOLTAGE RANGE: 50 --- 1000 V CURRENT: 6.0 A



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)Single phase,half wave,60 Hz,resistive or inductive load. For capacitive load,derate by 20%.

			6A05	6A1	6A2	6A3	6A4	6A6	6A8	6A10	UNITS
Maximum recurrent peak reverse voltage		V _{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS voltage		V _{RMS}	35	70	140	210	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	50	100	200	300	400	600	800	1000	V
Maximum average forw ard rectified current 0.375"(9.5mm) lead length TA=60°C		I _{F(AV)}	6.0								А
Peak forward surge current (8.3ms half Sine-wave superimposed on rated load (JEDEC method)		I _{FSM}	250.0								А
Maximum instantaneous forw ard voltage @6.0 A		V _F	1.0								V
Maximum reverse current at rated DC	@T _A =25		10.0 400.0								μА
blocking voltage	@T _A =100	- I _R									
Typical junction capacitance (Note1)		C _J	15								pF
Maximum Full Load Reverse Current,Full Cycle Average .375"(9.5mm)Lead Length @TA=75°C		HIIR	5.0								А
Typical thermal resistance(Note2)		R _{0JA}	35								°C/W
Operating junction temperature range		T _j	-65 to+150								°C

^{1.}Measured at 1MHz and applied reverse voltage of 4.0V D.C.

^{2.}Thermal Resistance from Junction to Ambient.375"(9.5mm) lead length.



RATINGS AND CHARACTERISTIC CURVES

