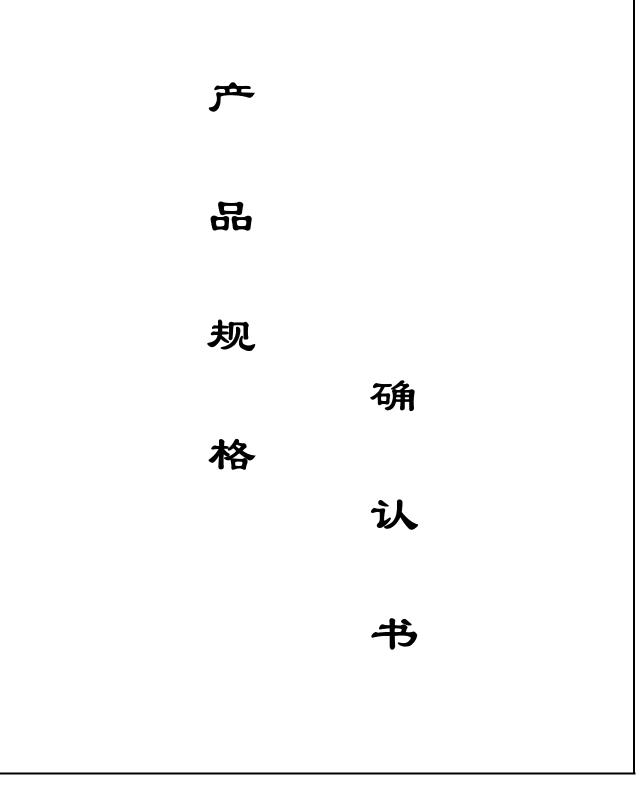
6AX SERIES

GENERAL PURPOSE PLASTIC SILICON RECTIFIER

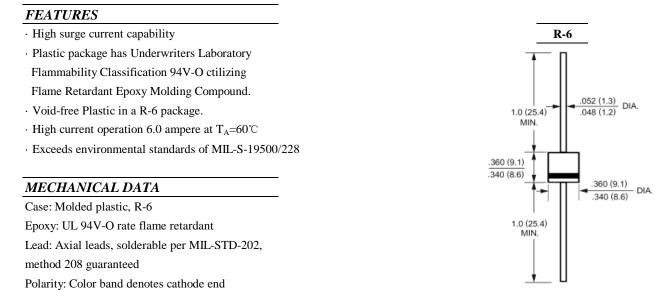


6A05 THRU 6A10

GENERAL PURPOSE PLASTIC SILICON RECTIFIER

REVERSE VOLTAGE: FORWARD CURRENT:

50 to 1000 VOLTS 6.0 AMPERE



Maximum Ratings and Electrical Characteristics

Ratings at 25° C ambient temperature unless otherwise specified. Single phase, half wave, $60H_7$, resistive or inductive load.

For capacitive load, derate current by 20%.

Mounting position: Any Weight: 0.07ounce, 2.1gram

	Symbols	6A05	6A1	6A2	6A4	6A6	6A8	6A10	Units	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts	
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts	
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts	
Maximum Average Forward Rectified Current	T	6.0							Amp	
.375''(9.5mm) Lead Length at T _A =60°C	I _(AV)									
Peak Forward Surge Current,										
8.3ms single half-sine-wave	I _{FSM} 400							Amp		
superimposed on rated load (JEDEC method)										
Maximum Forward Voltage	V	1.1							Volts	
at 6.0A DC and 25°C	$V_{\rm F}$									
Maximum Reverse Current at T _A =25°C	т	10.0								
at Rated DC Blocking Voltage $T_A=100$ °C	IR	I _R 100							uAmp	
Typical Junction Capacitance (Note 1)	CJ	150							pF	
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	10							°C/W	
Operating Junction Temperature Range	T _J	-55 to +150							ĉ	
Storage Temperature Range	Tstg	-55 to +150							C	

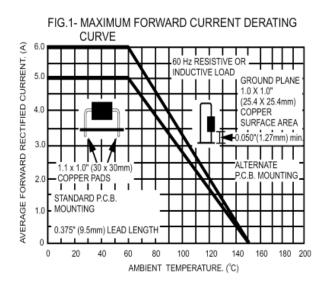
NOTES:

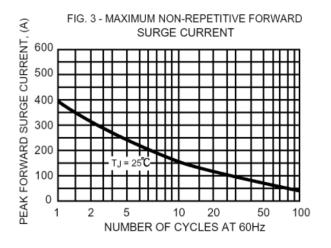
1- Measured at 1 $\ensuremath{\text{MH}_{Z}}\xspace$ and applied reverse voltage of 4.0 VDC.

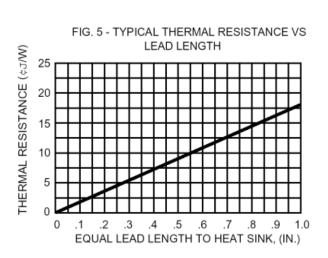
2- Thermal Resistance From Junction to Ambient 0.375" (9.5mm) lead length P.C.B. Mounted with 1.1x1.1" (30x30mm)copper pads.

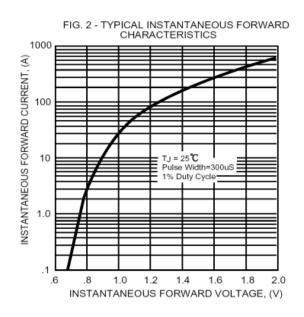
Dimensions in inches and (millimeters)

RATINGS AND CHARACTERISTIC CURVES









康

比

HORNBY ELECTRONIC

雷

3

FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

