Silicon Rectifier, 6.0A

Features

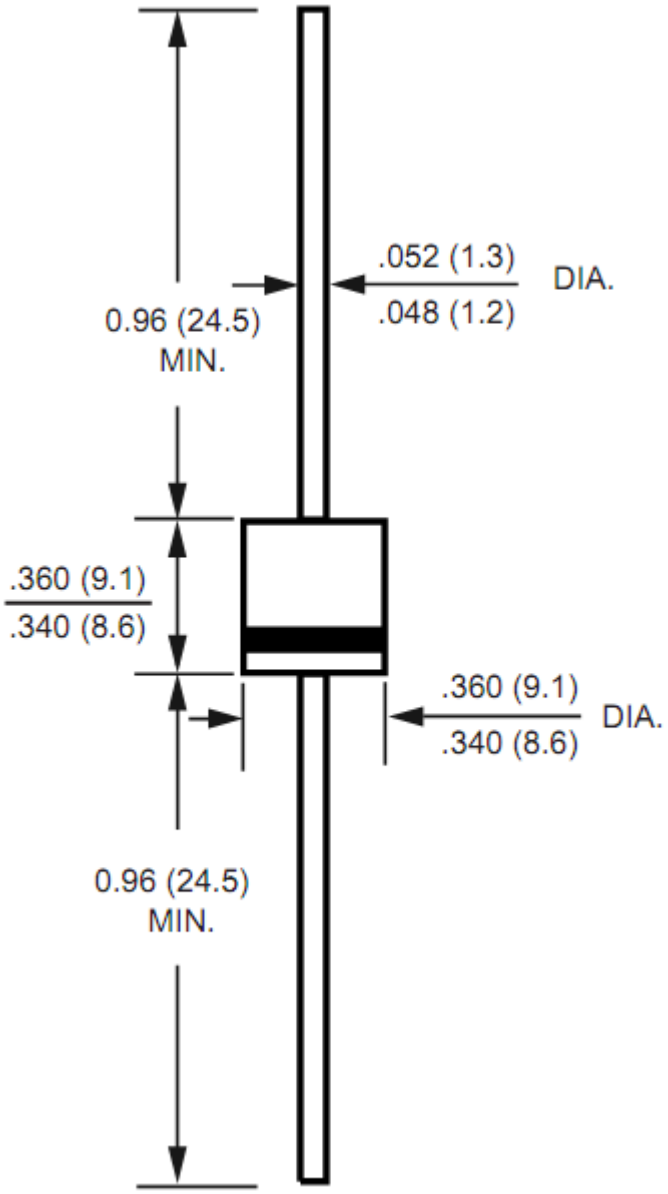
- Diffused junction
- Low cost
- Low reverse leakage current
- High current capability & low forward voltage drop
- Plastic material carrying UL recognition 94V-0
- Polarity: Color Band denotes Cathode
- Lead free finish

JEDEC R-6

Thermal and Mechanical Specifications (T_A = 25^{0}C unless otherwise specified)			
Parameters	**Symbol**	**Values**	**Units**
Maximum operating junction temperature range	T_J	-55 to +150	^{0}C
Maximum storage temperature range	T_{Stg}	-55 to +150	^{0}C
Typical thermal resistance junction to ambient	$R_{\theta JA}$	10	^{0}C/W
Approximate weight	W	2.1	g

Electrical Characteristics (T_A = 25^{0}C unless otherwise specified)									
Parameter	**Symbol**	**6A05**	**6A1**	**6A2**	**6A4**	**6A6**	**6A8**	**6A10**	**Units**
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS 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 output current @ T_A = 50^{0}C	$I_{F(AV)}$	6.0							A
Peak forward surge current (8.3ms) single half sine-wave superimposed on rated load	I_{FSM}	400							A
Maximum DC forward voltage drop per element @ 10 A	V_F	0.9							V
Typical junction capacitance	CJ	150							pF
Maximum DC reverse current at rated DC blocking voltage, T_A = 25^{0}C	I_R	10							µA
Maximum DC reverse current at rated DC blocking voltage, T_A = 100^{0}C	I_R	100							µA

D-95, Sector 63, Noida – 201301, India • Tel: 0120-4205450 • Fax: 0120-4273653
sales@nainasemi.com • www.nainasemi.com



Dimensions in inches and (millimeters)

D-95, Sector 63, Noida – 201301, India • Tel: 0120-4205450 • Fax: 0120-4273653
sales@nainasemi.com • www.nainasemi.com