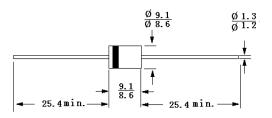
10A05 THRU 10A10

GENERAL PURPOSE PLASTIC RECTIFIERS Reverse Voltage – 50 to 1000 Volts Forward Current – 10.0 Amperes

R-6

Features

- Low cost
- Diffused junction
- Low forward voltage drop
- Low reverse leakage current
- High current capability
- The plastic material carries UL recognition 94V-0



Dimensions in mm

Mechanical Data

- Case: JEDEC R-6 molded plastic
- Polarity: Color band denotes cathode
- Mounting position: Any

Absolute Maximum Ratings and Characteristics

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

	Symbols	10A05	10A1	10A2	10A4	10A6	10A8	10A10	Units
Maximum repetitive 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 $@T_A=50$ °C	I _{F(AV)}	10							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	600							Amps
Maximum forward voltage at 10A DC	V _F	1						Volts	
Maximum DC reverse current @T _J = 25 $^{\circ}$ C at rated DC blocking voltage @T _J = 100 $^{\circ}$ C	I _R	10 100							μΑ
Typical junction capacitance (Note 1)	CJ	150							pF
Typical thermal resistance (Note 2)	$R_{ ext{ heta}JA}$	10						^o C/W	
Operating temperature range	TJ	-55 to+125						°C	
Storage temperature range	T _{Stg}	-55 to+150							°C

Notes: 1. Measured at 1 MH_z and applied reverse voltage of 4V D.C.

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2. Thermal Resistance Junction to Ambient.



