

10A05 thur 10A10

CREATEK Microelectronics

Surface Mount General Rectifier in R-6/P600

Features

- For surface mounted application
- Glass passivated junction chip
- Built-in strain relief, ideal for automated placement
- High forward surge current capability

Mechanical Data

- Case: JEDEC R-6(P600)molded plastic Lead free; RoHS compliant
- Molding Compound Flammability Rating: UL 94 V-0
- **Terminals:** High temperature soldering guaranteed: 260 °C/10 sec. at terminals

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%.									
Parameter	Symbols	10A05	10A1	10A2	10A4	10A6	10A8	10A10	Units
Maximum repetitive peak reverse voltage		50	100	200	400	600	800	1000	V
Maximum RMS voltage		35	70	140	280	420	560	700	V
Maximum DC blocking voltage	Vdc	50	100	200	400	600	800	1000	V
Maximum average forward rectified current at TL=100C °	l(AV)	n 10.0			А				
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	Іғѕм				400.0				A
Maximum instantaneous forward voltage at 1.0A	Vf	1.0			V				
Maximum DC reverse currentTa=25 C °at rated DC blocking voltageTa=100 C °	lr	10.0 100.0		μΑ					
Typical junction capacitance (NOTE 1)	Сл 150.0		pF						
Typical thermal resistance (NOTE 2)	Reja	10.0		°C/W					
Operating junction and storage temperature range	Тј,Тstg	Тята -55 to +150			°C				

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

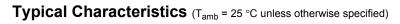
2.P.C.B. mounted with 0.375x0.3752" (9.5x9.5mm) copper pad areas

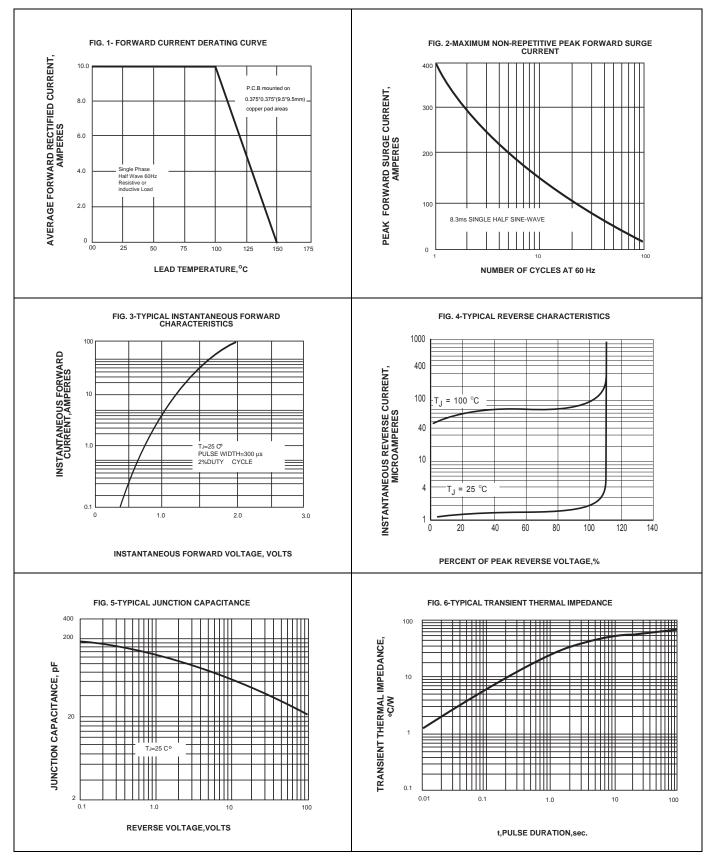


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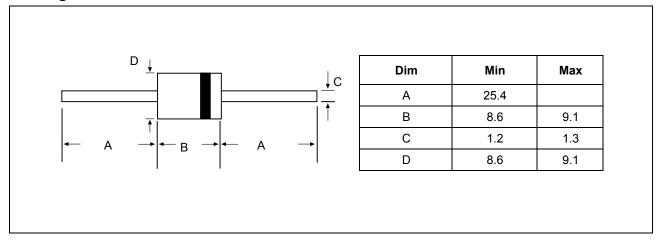




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Package Dimensions



Ordering information

Order code	Package	Packaging option	Base quantity	Packaging specification
10A05 thur 10A10	R-6/P600	BOX	1000pcs / BOX	EIA STD RS-481

Revision history

Date	Revision	Changes
23-May-2012	1.0	Initial release

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10A05 thur 10A10

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