



25A05 THRU 25A10

GENERAL PURPOSE PLASTIC RECTIFIER

Reverse Voltage - 50 to 1000 Volts

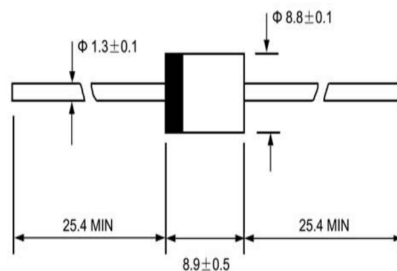
Forward Current -25.0Amperes

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°C/10 seconds at terminals
- Component in accordance to RoHS 2011/65/EU

MECHANICAL DATA

- Case: R-6 molded plastic body
- Terminals: Plated axial lead, solderable per MIL-STD-750,method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- Weight: 0.07ounce, 2.1 grams



Dimensions in inches and (millimeters)

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, derate by 20%.)

Parameter		Symbols	25A05	25A1	25A2	25A3	25A4	25A6	25A8	25A10	Unis
Maximum recurrent peak reverse voltage		VRRM	50	100	200	300	400	600	800	1000	Volts
Maximum RMS voltage		VRMS	35	70	140	210	280	420	560	700	Volts
Maximum DC blocking voltage		VDC	50	100	200	300	400	600	800	1000	Volts
Maximum average forward rectified current 0.375"(9.5mm) lead length TA=60 C		I(AV)	25.0								Amps
Peak forward surge current (8.3ms half sine-wave superimposed on rated load (JEDEC method)		IFSM	350								Amps
Maximum instantaneous forward voltage at 25.0 A		VF	1.1								Volts
Maximum reverse current at rated DC blocking voltage	TA=25°C	IR	5.0								μA
	TA=100°C		100.0								
Typical thermal resistance (Note 2)		RθJC	2.5								°C/W
Typical junction capacitance (Note 1)		CJ	100								pF
Operating and Storage temperature range		TJ TSTG	-55 to+150 -55 to+150								°C

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

2.Mounton Cu-Pad Size 16mm×16mm on P. C. B.



WINGTECH RECTIFIERS AND CHARACTERISTIC CURVES 25A05 THRU 25A10

FIG.1-FORWARD CURRENT DERATING CURVE

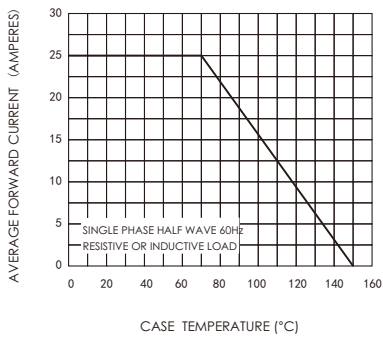


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

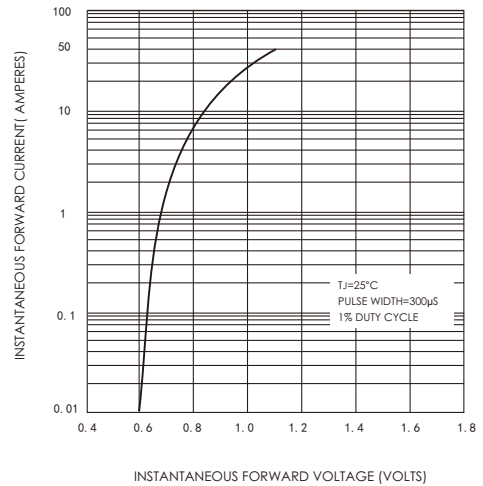


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

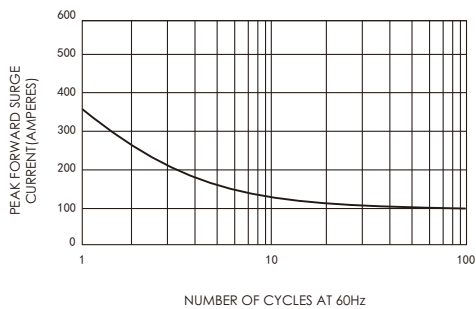


FIG.4-TYPICAL REVERSE CHARACTERISTICS

