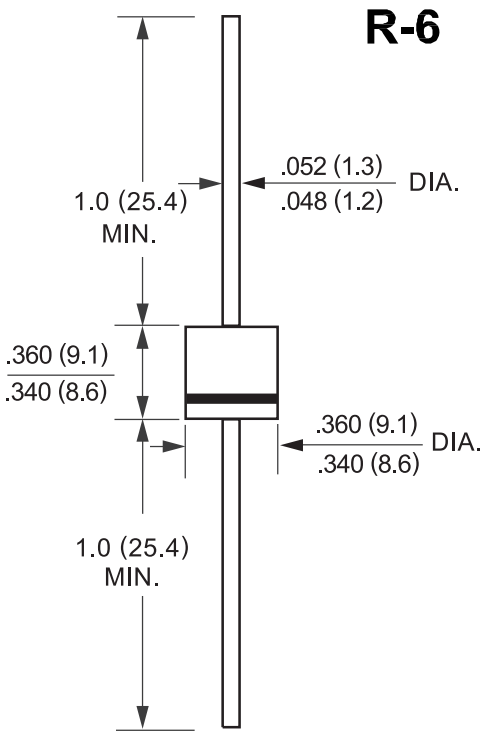
CURRENT 8.0 Ampere
VOLTAGE RANG 50 to 1000 Volts

8A05 THRU 8A10

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 inches and (millimeters)

MECHANICAL DATA

- Case: JEDEC R-6 molded plastic
- Polarity: Color band denotes cathode
- Weight: 0.07 ounces , 2.1 grams
- Mounting position: Any

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

CHARACTERISTICS	SYMBOL	8A05	8A1	8A2	8A4	8A6	8A8	8A10	UNIT
Maximum Recurrent 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 Rectified Current @T_A =60℃	$I_{(AV)}$	8.0							A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	I_{FSM}	350							A
Maximum Forward Voltage at 8A DC	V_F	1.0							V
Maximum DC Reverse Current @T_J=25℃ at Rated DC Blocking Voltage @T_J=100℃	I_R	10 100							μA
Typical Junction Capacitance (Note1)	C_J	100							pF
Typical Thermal Resistance (Note2)	R_{JC}	8.0							℃/W
Operating Temperature Range	T_J	-55 to +125							℃
Storage Temperature Range	T_{STG}	-55 to +150							℃

NOTES:1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC
2.Thermal resistance junction to case.

CURRENT 8.0 Ampere
VOLTAGE RANG 50 to 1000 Volts

8A05 THRU 8A10

RATING AND CHRACTERISTIC CURVES 8A05 Thru 8A10

FIG. 1 – FORWARD CURRENT DERATING CURVE

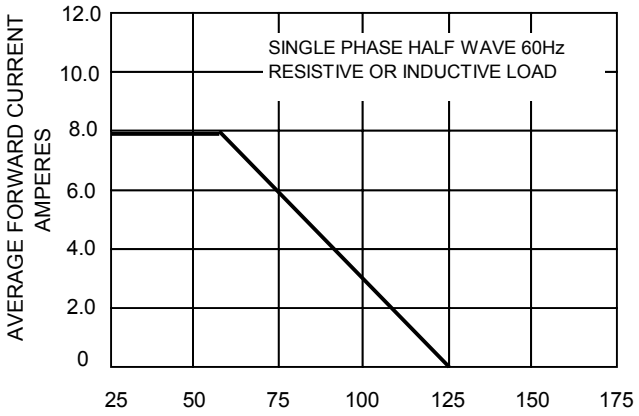


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

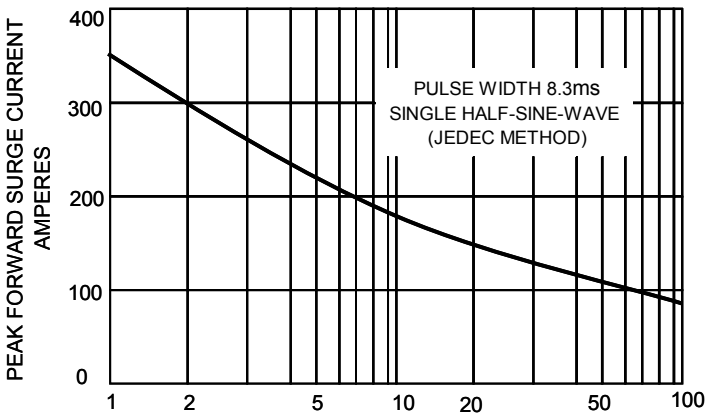


FIG.3 – TYPICAL JUNCTION CAPACITANCE

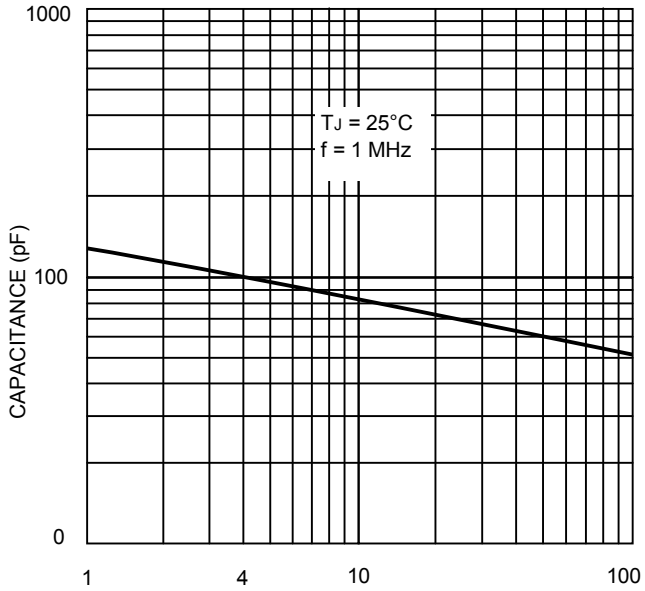


FIG.4-TYPICAL FORWARD CHARACTERISTICS

