

Surface Mount Glass Passivated Rectifier

Features:

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- General Purpose Rectifier
- Low Power loss, High Efficiency
- Low Reverse Leakage Current
- High temperature soldering guaranteed: 260°C/10 seconds at terminals
- Component in accordance to RoHS 2011/65/EU

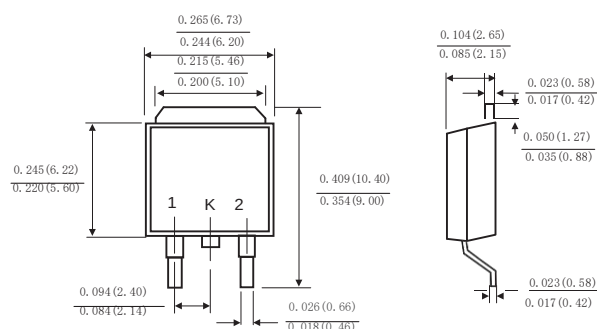


Reverse Voltage - 600 Volts
 Forward Current - 5.0 Ampere

TO-252
(DPAK)

Mechanical Data :

- Case: JEDEC TO-252AC molded plastic body
- Terminals: Solderable per MIL-STD-202, method 208
- Polarity: As marked
- Mounting Position: Any



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%.)

	Symbols	KWSTD560M2	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	Volts
Maximum RMS Voltage	V _{RMS}	420	Volts
Maximum DC Blocking Voltage	V _{DC}	600	Volts
Maximum average Forward Rectified Current	I _(AV)	5.0	Amp
Peak Forward Surge Current (50Hz half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	100.0	Amps
Maximum Instantaneous Forward Voltage at 5.0 A	V _F	0.98	Volts
Maximum Reverse current at rated DC Blocking Voltage	I _R	5.0	μA
		200.0	
Typical Thermal resistance	R _{θJA}	25	°C/W
	R _{θJC}	1.0	
Operating and Storage temperature Range	T _J /T _{STG}	-55 to +150	°C

RATINGS AND CHARACTERISTIC CURVES KWSTD560M2

FIG.1-FORWARD CURRENT DERATING CURVE

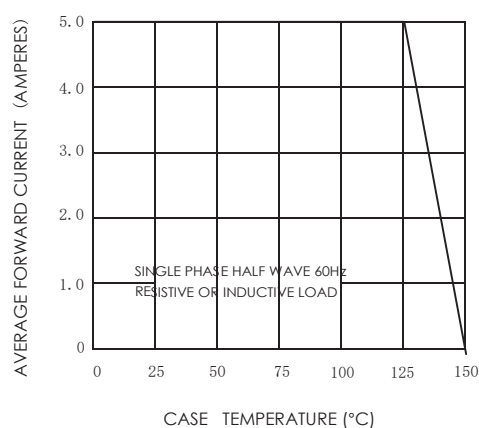


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

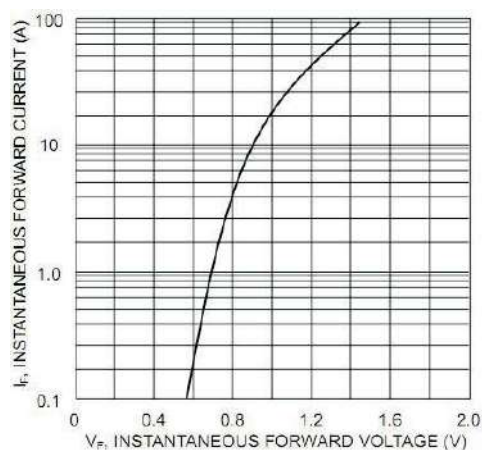


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

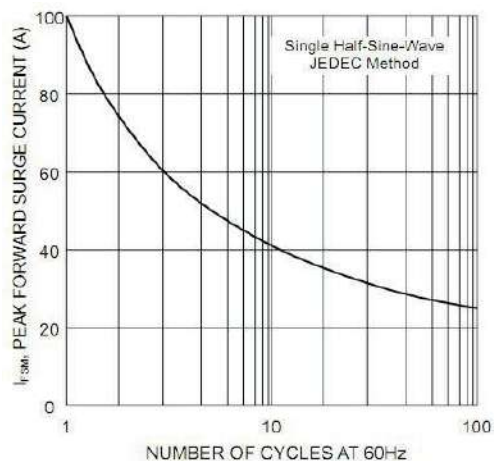


FIG.4-TYPICAL REVERSE CHARACTERISTICS

