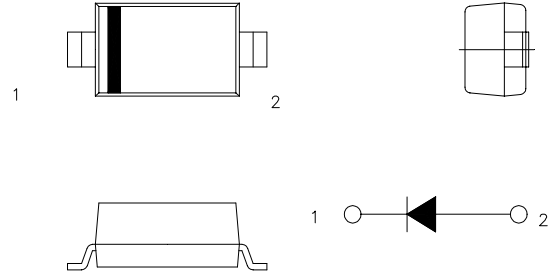


FRD Type : EP05FA20

OUTLINE DRAWING

FEATURES

- * JEDEC SOD-123 Package
- * Ultra-Fast Recovery
- * Very Low Profile 1.1mm Max
- * High Surge Capability
- * Low Thermal Resistance
- * Packaged in 8mm Tape and Reel



Maximum Ratings

Approx Net Weight:0.011g

Rating	Symbol	EP05FA20			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	200			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	220			V
Average Rectified Output Current	I _O	0.45	Ta=25 °C *	50Hz Half Sine	A
		0.5	Tl=115 °C	Wave Resistive Load	
RMS Forward Current	I _{F(RMS)}	0.785			A
Surge Forward Current	I _{FSM}	8	50Hz Half Sine Wave,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T _{jw}	-40 to +150			°C
Storage Temperature Range	T _{stg}	-40 to +150			°C

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j = 25^{\circ}\text{C}$, $V_{RM} = V_{RRM}$	-	-	10	μA
Peak Forward Voltage	V_{FM}	$T_j = 25^{\circ}\text{C}$, $I_{FM} = 1.0\text{A}$	-	-	0.95	V
Reverse Recovery Time	t_{rr}	$I_{FM} = 1\text{A}$, $-di/dt = 50\text{A}/\mu\text{s}$, $T_a = 25^{\circ}\text{C}$	-	-	30	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient *	-	-	300	$^{\circ}\text{C}/\text{W}$
	$R_{th(j-l)}$	Junction to Lead	-	-	70	

* Glass Epoxy Substrate Mounted Soldering Lands=1x1mm, Both Sides

EP05FA20 OUTLINE DRAWING (Dimensions in mm)

