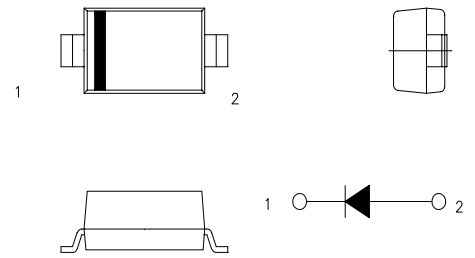


SBD Type : EP05Q04

FEATURES

- * JEDEC SOD-123 Package
- * Very Low profile 1.1mm Max
- * Low Forward Voltage Drop
- * Low Power Loss,High Efficiency
- * High Surge Capability
- * Low Thermal Resistance
- * Packaged in 8mm Tape and Reel

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:0.011g

Rating	Symbol	EP05Q04		Unit
Repetitive Peak Reverse Voltage	V_{RRM}	40		V
Average Rectified Output Current	I_O	0.43	$T_a=25^{\circ}C$ * 1 50Hz Half Sine Wave,	A
		0.50	$T_l=110^{\circ}C$ 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		$^{\circ}C$
Storage Temperature Range	T_{stg}	-40 to +150		$^{\circ}C$

Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$	-	-	100	μA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}C, I_{FM}=0.5A$	-	-	0.51	V
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient *	-	-	300	$^{\circ}C/W$
	$R_{th(j-l)}$	Junction to Lead	-	-	70	

*1: Glass Epoxy Substrate Mounted (Soldering Lands=1x1mm,Both Sides)
(T_l : Lead Temperature)

EP05Q04 OUTLINE DRAWING (Dimensions in mm)

