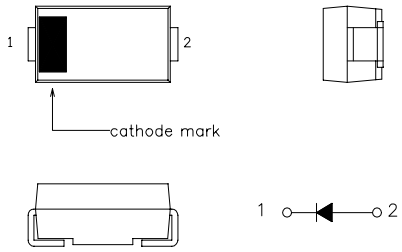
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SBD Type : EC10QS04

FEATURES

* Miniature Size,Surface Mount Device
* Low Forward Voltage Drop
* Low Power Loss,High Efficiency
* High Surge Capability
* 30 Volts through 100Volts Types Available
* Packaged in 12mm Tape and Reel
* Not Rolling During Assembly

OUTLINE DRAWING



Maximum Ratings

Approx Net Weight:0.06g

Rating	Symbol	EC10QS04			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	40			V
Non-repetitive Peak Reverse Voltage	V_{RSM}	45			
Average Rectified Output Current	I_O	0.91	Ta=28 ℃ *1	50Hz Half Sine Wave Resistive Load	A
		1.0	Ta=53 ℃ *2		
RMS Forward Current	$I_{F(RMS)}$	1.57			A
Surge Forward Current	I_{FSM}	20	50Hz Half Sine Wave,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T_{jw}	-40 to +150			℃
Storage Temperature Range	T_{stg}	-40 to +150			℃

Electrical • Thermal Characteristics

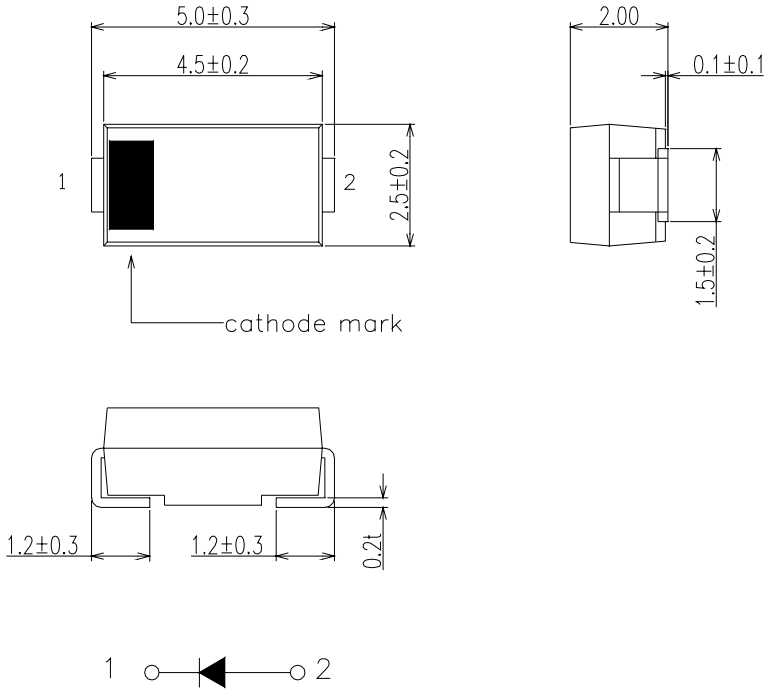
Characteristics	Symbol	Conditions		Min.	Typ.	Max.	Unit
Peak Reverse Current	I_{RM}	Tj= 25℃, V_{RM}= V_{RRM}		-	-	1.0	mA
Peak Forward Voltage	V_{FM}	Tj= 25℃, I_{FM}= 1.0A		-	-	0.55	V
Thermal Resistance	$Rth_{(j-a)}$	Junction to Ambient	*1	-	-	157	℃/W
			*2	-	-	108	

*1 Glass Epoxy Substrate Mounted

*2 Alumina Substrate Mounted
Soldering Lands=2x2mm,Both Sides

Nihon Inter Electronics Corporation

EC10QS04 OUTLINE DRAWING (Dimensions in mm)



SOLDERING PAD

