

1A Avg.

30 Volts

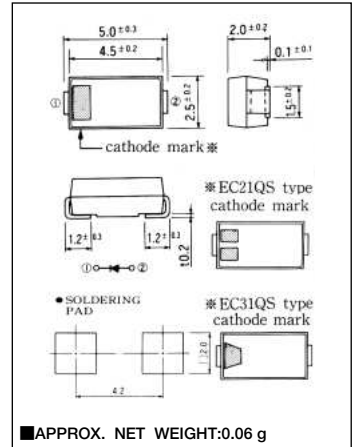
SBD

EC10LA03

■最大定格 Maximum Ratings

Item	Symbol	Conditions	Unit
くり返しピーク逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$	30	V
直流順電流 Direct Forward Current	$I_{DC}$	直流通電 Direct Current	
		$T_a=71^\circ\text{C}^*1$	1.0 A
		$T_a=88^\circ\text{C}^*2$	1.0 A
サージ順電流 Surge Forward Current	$I_{FSM}$	25 50Hz正弦半波, 1サイクル, 非くり返し 50Hz Half Sine Wave, 1cycle, Non-repetitive	A
動作接合温度範囲 Operating Junction Temperature Range	$T_{jw}$	-40~+125	°C
保存温度範囲 Storage Temperature Range	$T_{stg}$	-40~+125	°C

■OUTLINE DRAWING(mm)



■電氣的・熱的特性 Electrical/Thermal Characteristics

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
ピーク逆電流 Peak Reverse Current	$I_{RM}$	$T_j=25^\circ\text{C}, V_{RM}=V_{RRM}$	—	—	2	mA
ピーク順電圧 Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ\text{C}, I_{FM}=1\text{A}$	—	—	0.39	V
熱抵抗 Thermal Resistance	$R_{th(j-a)}$	接合部・周囲間 Junction to Ambient	Glass Epoxy Substrate Mounted*1		157	°C/W
			Alumina Substrate Mounted*2		108	°C/W

\*1: プリント基板実装/Glass-Epoxy Substrate mounted (Soldering Lands=2×2mm, Both Sides)  
\*2: アルミナ基板実装/Alumina Substrate mounted (Soldering Lands=2×2mm, Both Sides)

■定格・特性曲線

