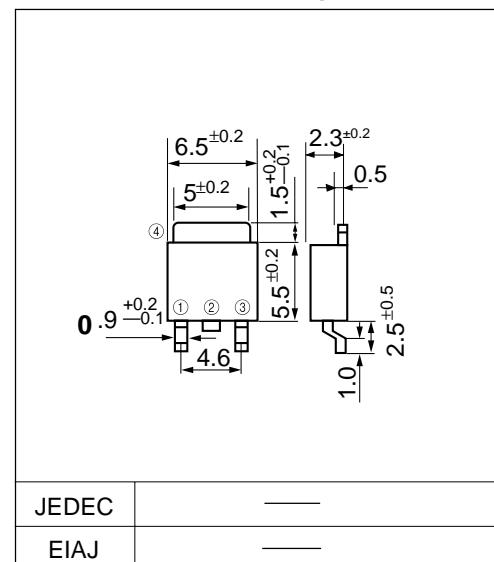


KS823C03 (5A)

(30V / 5A)

SCHOTTKY BARRIER DIODE

■ Outline drawings, mm



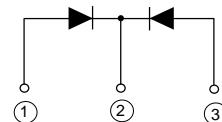
■ Features

- Low VF
- Super high speed switching
- High reliability by planer design

■ Applications

- High speed power switching

■ Connection diagram



■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		30	V
Non-repetitive peak reverse voltage	V_{RSM}	$t_w=500\text{ns}$, duty=1/40	30	V
Average output current	I_o	Square wave, duty=1/2 $T_c=117^\circ\text{C}$	5.0*	A
Surge current	I_{FSM}	Sine wave 10ms	60	A
Operating junction temperature	T_j		-40 to +150	$^\circ\text{C}$
Storage temperature	T_{stg}		-40 to +150	$^\circ\text{C}$

* Average forward current of centertap full wave connection

- Electrical characteristics (Ta=25°C Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=2.5\text{A}$	0.47	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	5.0	mA
Thermal resistance	$R_{th(j-c)}$	Junction to case	10	$^\circ\text{C/W}$

■ Characteristics

