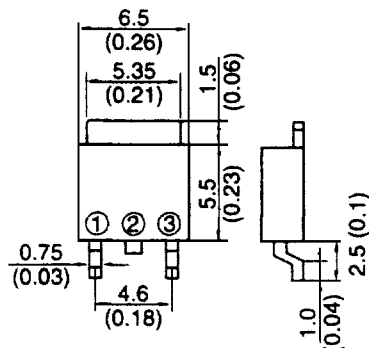




KS823C04 (5A)

SCHOTTKY BARRIER DIODE

Outline Drawing



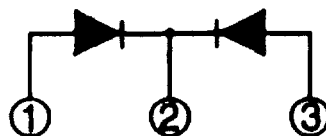
Features

- Surface mount device
- Low V_F
- Super high speed switching
- High reliability by planer design

Applications

- High speed power switching

Connection Diagram



Maximum Ratings & Characteristics

Absolute Maximum Ratings

Items	Symbols	Conditions	Ratings	Units
Repetative Peak Reverse Voltage	V_{RRM}		45	V
Non-Repetative Peak Reverse Voltage	V_{RSM}	$t_w = 500ns$, duty 1/40	48	V
Average Output Current	I_O	$T_c = 87^{\circ}C$, duty 1/2, Sq. Wave	5*	A
Surge Current	I_{FSM}	Sine Wave, 10ms	60	A
Operating Junction Temperature	T_J		-40 to +125	$^{\circ}C$
Storage Temperature	T_{stg}		-40 to +125	$^{\circ}C$

*Output current of centertap full wave connection.

Electrical Characteristics ($T_a = 25^{\circ}C$ Unless otherwise specified)

Items	Symbols	Conditions	Ratings	Units
Forward Voltage Drop	V_F	$I_F = 2.5A$	0.55	V
Reverse Current	I_R	$V_R = V_{RRM}$	5	mA
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	10	$^{\circ}C/W$