

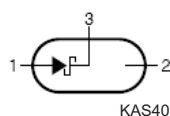
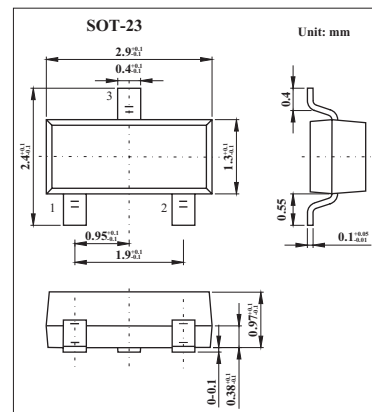
Surface Mount Schottky Barrier Diode

KAS40,-04,-05,-06

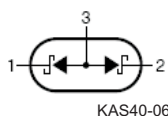
(BAS40,-04,-05,-06)

■ Features

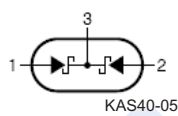
- Low Forward Voltage Drop
- Fast Switching
- PN Junction Guard Ring for Transient and ESD Protection



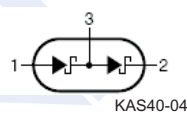
KAS40



KAS40-06



KAS40-05



KAS40-04

■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	40	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Forward Continuous Current	I _{FM}	200	mA
Power Dissipation	P _d	350	mW
Forward Surge Current @ t < 1.0s	I _{FSM}	600	mA
Thermal Resistance, Junction to Ambient Air	R _{θJA}	357	°C/W
Operating Temperature Range	T _j	-55 to +125	°C
Storage Temperature Range	T _{STG}	-65 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	V _(BR)	I _R =10 μA	40			V
Forward Voltage	V _F	I _F =1.0mA, t _p <300 μs			380	mV
		I _F =40mA, t _p <300 μs			1000	
Reverse Leakage	I _R	V _R =30V, t _p <300 μs		20	200	nA
Junction Capacitance	C _j	V _R =0V, f=1.0MHz		4.0	5.0	pF
Reverse Recover Time	T _{rr}	I _F = I _R = 10mA to I _R = 1.0mA, R _L = 100 Ω			5.0	ns

■ Marking

NO.	KAS40	KAS40-04	KAS40-05	KAS40-06
Marking	K43	K44	K45	K46