

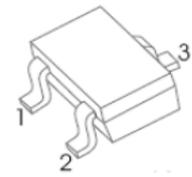
Plastic-Encapsulate Diodes

SCHOTTKY BARRIER DIODE

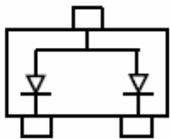
FEATURES

- For low-loss, fast-recovery, meter protection, bias isolation and clamping applications
- Integrated diffused guard ring
- Low forward voltage

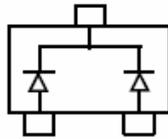
SOT-323



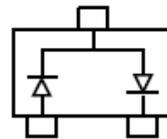
1. BASE
2. EMITTER
3. COLLECTOR



BAT64-06W



BAT64-05W



BAT64-04W

MARKING

BAT64-06W	BAT64-05W	BAT64-04W
		

Maximum Ratings @T_a=25°C

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	40	V
DC reverse	V _R		
Non-repetitive Peak forward surge current @t=8.3ms	I _{FSM}	0.8	A
Forward current	I _F	0.25	A
Power Dissipation	P _D	250	mW
Thermal Resistance Junction-to-Ambient	R _{θJA}	400	°C/W
Operating Junction Temperature Range	T _j	-40 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

Electrical Ratings @T_a=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse breakdown voltage	V _R	40			V	I _R =10μA
Forward voltage	V _F			350	mV	I _F =1mA
				430		I _F =10mA
				520		I _F =30mA
				750		I _F =100mA
Reverse current	I _R			2	μA	V _R =25V
Capacitance between terminals	C _T		6		pF	V _R =1V, f=1MHz

Typical Characteristics
