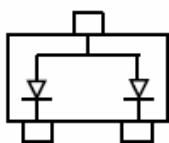


Plastic-Encapsulate Diodes

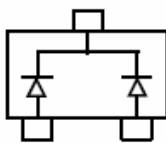
SCHOTTKY BARRIER DIODE

FEATURES

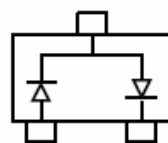
- For low-loss, fast-recovery, meter protection, bias isolation and clamping applications
- Integrated diffused guard ring
- Low forward voltage



BAT64-06 MARKING:66S

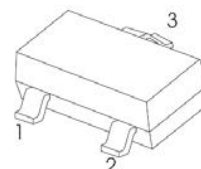


BAT64-05 MARKING:65S



BAT64-04 MARKING: 64S

SOT-23



BAT64-06	BAT64-05	BAT64-04

Solid dot = Green molding compound device, if none, the normal device.

Maximum Ratings @T_a=25°C

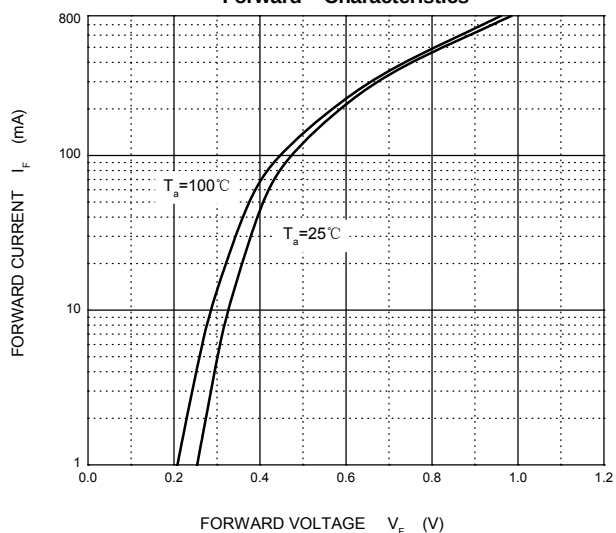
Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	40	V
DC reverse	V _R		
Non-repetitive Peak forward surge current @t=8.3ms	I _{FSM}	0.8	A
Forward current	I _F	0.25	A
Power Dissipation	P _D	250	mW
Thermal Resistance Junction-to-Ambient	R _{θJA}	400	°C/W
Operating Junction Temperature Range	T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

Electrical Ratings @T_a=25°C

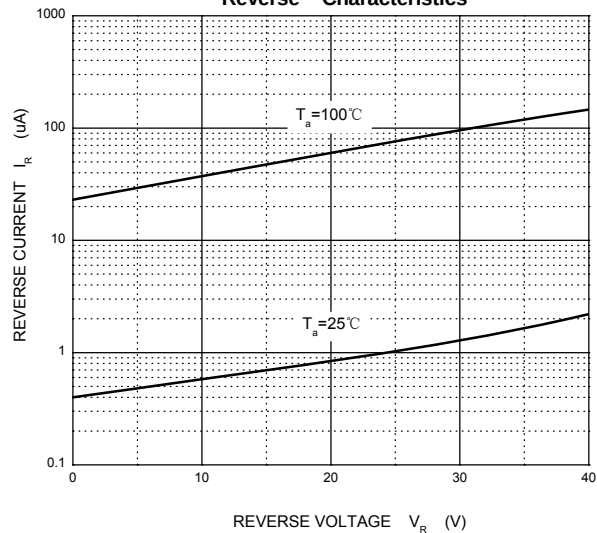
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse breakdown voltage	V _R	40			V	I _R =10μA
Forward voltage	V _F			350 430 520 750	mV	I _F =1mA I _F =10mA I _F =30mA I _F =100mA
Reverse current	I _R			2	μA	V _R =25V
Capacitance between terminals	C _T		6		pF	V _R =1V, f=1MHz

Typical Characteristics

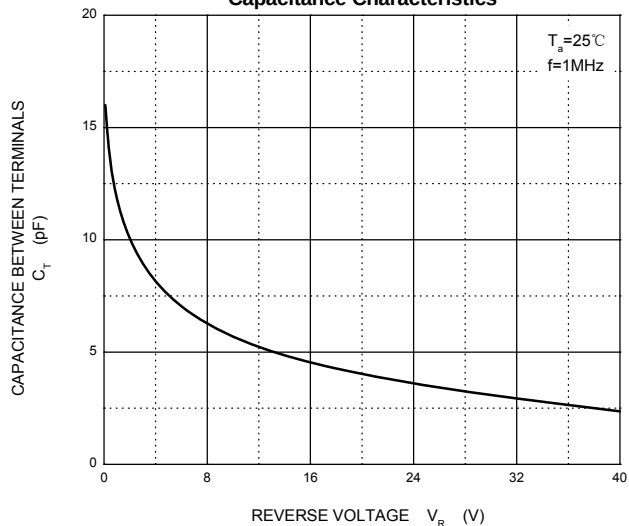
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

