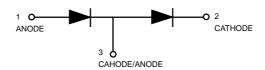


Dual Series Schottky Barrier Diodes

These Schottky barrier diodes are designed for high speed switching applications, circuit protection, and voltage clamping. Extremely low forward voltage reduces conduction loss. Miniature surface mount package is excellent for hand held and portable applications where space is limited.

- Extremely Fast Switching Speed
- \bullet Low Forward Voltage 0.35 Volts (Typ) @ I _F= 10 mAdc



BAT54RSLT1

30 VOLTS
DUAL HOT- CARRIER
DETECTOR AND
SWITCHING
DIODES



DEVICE MARKING

BAT54S = LD3

MAXIMUM RATINGS (T J = 125°C unless otherwise noted)

Rating	Symbol	Value	Unit	
Reverse Voltage	V _R	30	Volts	
Forward Power Dissipation	P _F			
@ T A = 25°C		225	mW	
Derate above 25°C		1.8	mW/°C	
Operating Junction	T J			
Temperature Range		-55 to +125	°C	
Storage Temperature Range	T _{stg}	-55 to +150	°C	

ELECTRICAL CHARACTERISTICS (T $_A$ = 25°C unless otherwise noted) (EACH DIODE)

Volts pF
nF
ρı
μAdc
Vdc
Vdc
Vdc
ns
Vdc
Vdc

SEMICONDUCTOR