



SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 30 Volts

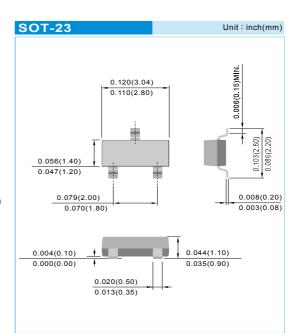
CURRENT 0.2 Amperes

FEATURES

- · Low turn-on voltage
- Fast switching
- PN Junction Guard Ring for Transient and ESD Protection.
- Acqire quality system certificate : TS16949
- · AEC-Q101 qualified
- · Lead free in comply with EU RoHS 2011/65/EU directives.
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

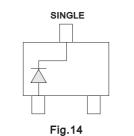
- · Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.0003 ounces, 0.0084 grams

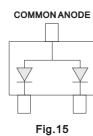


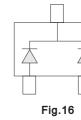
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

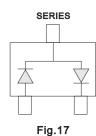
Parameter	Symbol	BAT54-AU	BAT54A-AU	BAT54C-AU	BAT54S-AU	Units	
Marking code	-	L4	L42	L43	L44	-	
Forward Power Dissipation@Ta=25°C	P _D	225					
Peak Repetitive Reverse Voltage	V _{RRM}	30					
Maximum Average Forward Current at TA=75°C	I _o	0.2					
Repetitive Peak Forward Current(tp=8.3ms,50%Duty Cycle)	I _{frm}	300					
Peak Forward Surge Current, 1.0s (JEDEC method)	I _{fsm}	0.6					
Maximum Instantaneous Forward Voltage @ I _F =1mA @ I _F =100mA	V _F			V			
Maximum DC Reverse Current at Rated DC Blocking Voltage@V $_{\rm R}$ =25V	I _R			uA			
Junction Capacitance at V _R =1V	C	10					
Thermal Resistance, Junction to Ambient	R _{eja}		°C/W				
Operating Junction and Storage Temperature Range	T _J , T _{stg}	-55 TO +125					
Circuit Figure	-	Single	Common Anode	Common Cathode	Series	-	







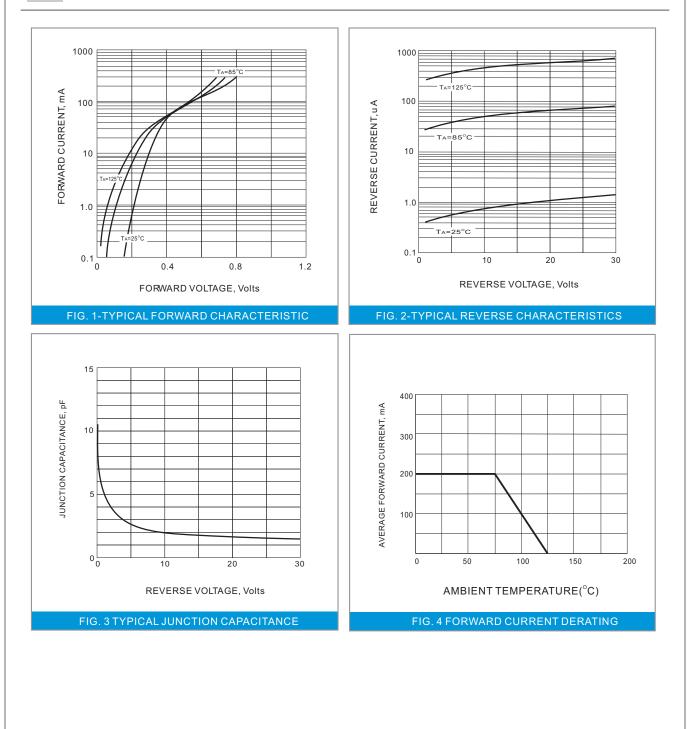
COMMON CATHODE







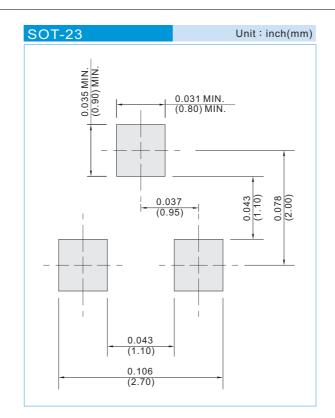
BAT54!51 SERIES





BAT54!51 SERIES

MOUNTING PAD LAYOUT



ORDER INFORMATION

 Packing information T/R - 12K per 13" plastic Reel T/R - 3K per 7" plastic Reel





For example :

BAT54-AU_R1_000A1 BAT54-AU_R2_000A1

RB500V-40_R2_00001



Packing Code XX					Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code		
Tape and Ammunition Box (T/B)	Α	N/A	0	HF	0	serial number		
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number		
Bulk Packing (B/P)	В	13"	2					
Tube Packing (T/P)	т	26mm	X					
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y					
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U					
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D					



BAT54!51 SERIES

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