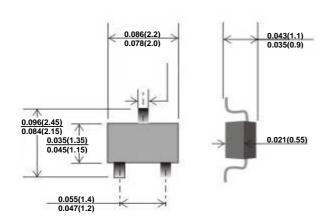


BAS54W SERIES

SURFACE MOUNT SCHOTTKY DIODES

Reverse Voltage - 30 Volts Forward Current - 0.2 Ampere

SOT-323



Dimensions in inches and (millimeters)

FEATURES

- Fast switching speed
- Surface mount package Ideally suited for automatic insertion
- ◆ Electrically identical to standerd JEDEC
- ♦ High Conductance
- ◆ Lead free in comply with EU RoHS 2002/95/EC directives.
- Green molding compound as per IEC61249 Std..(Halogen Free)

MECHANICAL DATA

Case: JEDEC SOT-323, Molded plastic

 $\textbf{Terminals} : \textbf{Solderable per MIL-STD-750} \ , \ \textbf{Method 2026}$

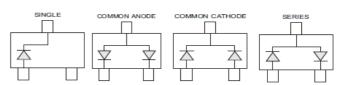
Approx. Weight: 0.0002 ounces, 0.005 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER	SYMBOLS	BAT54W	BAT54AW	BAT54CW	BAT54SW	UNITS
Marking Code		L4	L42	L43	L44	Volts
Forward Power Dissipation@T _A = 25 °C	Pd	200				mW
Peak Repetitive Reverse Voltage	V_{RRM}	30				Volts
Maximum Average Forward Current at T _A =75 °C	Io	0.2				Amps
Peak Forward Surge Current, at t=1.0s (JEDEC method)	I _{FSM}	0.6				Amps
	Vr	0.32 1.0				Volts
Maximum DC Reverse Curren at Rated DC Blocking Voltage $@V_R=25V$	I _R	2.0				μΑ
Typical Junction Capacitance (Notes 1)	CJ	10.0				pF
Typical Thermal Resistance	$R_{ heta JA}$	635				C\M
Junction Temperature and Storage Temperature Range	T_J,T_STG	-55 ∼ +150				C
Circuit Figure		Single	Common Anode	Common Cathode	Series	

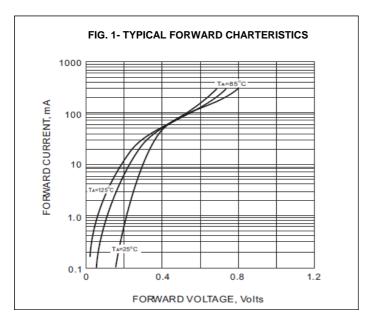
Note: 1. C_J at Reverse Voltage = 1V, f=1MHz

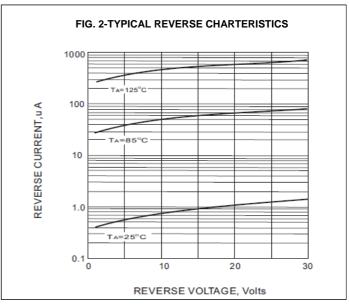


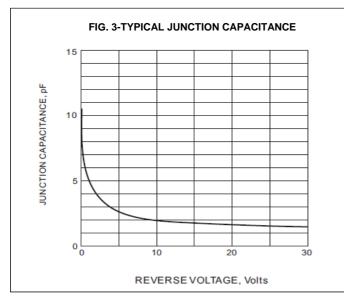


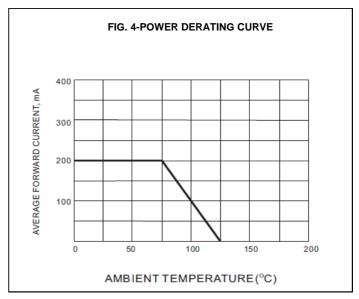
BAS54W SERIES

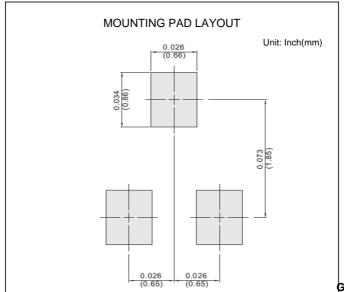
RATINGS AND CHARACTERISTIC CURVES











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