

Features

- Halogen Free. "Green" Device (Note 1)
- AEC-Q101 Qualified
- High Conductance
- · Fast Switching Speed
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -65°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance:357°C/W Junction to Ambient(Note 2)

MCC Part Number	Repetitive Peak Reverse Voltage V _{RRM}	RMS Reverse Voltage V _{R(RMS)}	DC Blocking Voltage V _R	
BAV23AHE3	250V	177V	250V	
BAV23CHE3	250V	177V	250V	
BAV23SHE3	250V	177V	250V	

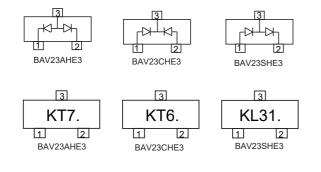
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Rectified Forward Current	I _{F(AV)}	225mA	
Non-Repetitive Peak Forward Surge Current	I _{FSM}	9.0A 3.0A	@ t = 1.0µs @ t = 100µs
Repetitive Peak Forward Curren	I _{FRM}	320mA	
Power Dissipation	P _{TOT}	350mW	

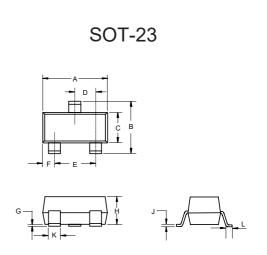
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. Mounted on FR-4 board with recommended pad layout.

Internal Structure and Marking Code

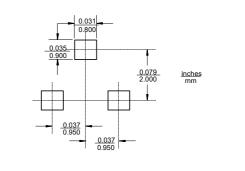


350mW Small Signal Diode



	DIMENSIONS					
DIM	INC	INCHES		М	NOTE	
DIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.110	0.120	2.80	3.04		
В	0.083	0.104	2.10	2.64		
С	0.047	0.055	1.20	1.40		
D	0.034	0.041	0.85	1.05		
E	0.067	0.083	1.70	2.10		
F	0.018	0.024	0.45	0.60		
G	0.0004	0.006	0.01	0.15		
Н	0.035	0.043	0.90	1.10		
J	0.003	0.007	0.08	0.18		
K	0.014	0.020	0.35	0.51		
L	0.007	0.020	0.20	0.50		

Suggested Solder Pad Layout





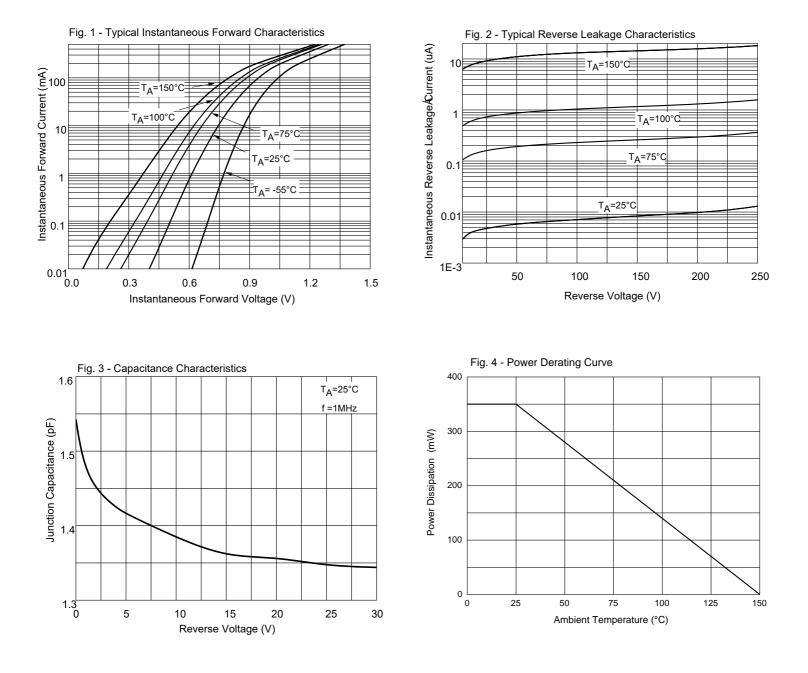
Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
5HYHUVH %UHDNGR	Z Q 99, R O	WDJH \$	250			9
)RUZDUG 9ROWD	JH 9 ₎	"OP\$			1.00	9
		,20P\$			1.25	9
5HYHUVH &XUUH	Q W ,5	9 ₅ 5 9			100	Q \$
-XQFWLRQ &DSDF	LWD&QFH	9 ₅ 9 I 0) +]		5	S)
5HYHUVH 5HFRYHU	∖7LWP _U H	, _{) ,5} 3 P\$,∪∪ î₅ 5,			50	QV

3XOVH 7HVW 3XOVH : LGWK VHF 'XW\ & FOH



Curve Characteristics





Ordering Information

Device	Packing		
Part Number-TP	Tape&Reel: 3Kpcs/Reel		

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