

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisture Sensitivity Level 1
- Low Diode Capacitance
- Low Diode Forward Resistance
- Halogen Free. "Green" Device (Note 1)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 625°C/W Junction to Ambient

Parameter	Symbol	Limits	Unit
Continuous Reverse Voltage	V _R	175	V
Forward Current	I _F	100	mA
Power Dissipation(T _A =90°C)	P _D	200	mW

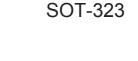
MCC Part Number	Device Marking
BAP64-04W	4W
BAP64-05W	5W
BAP64-06W	6W

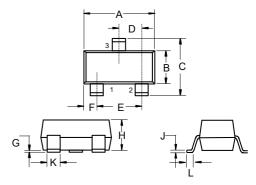
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

BAP64-04W BAP64-05W BAP64-06W

Pin Configuration

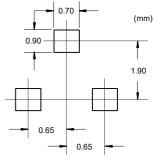
General Purpose Pin Diodes 200mW





DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOIL
Α	0.071	0.087	1.80	2.20	
В	0.045	0.053	1.15	1.35	
С	0.083	0.096	2.10	2.45	
D	0.026		0.65		TYP.
E	0.047	0.055	1.20	1.40	
F	0.012	0.016	0.30	0.40	
G	0.000	0.004	0.00	0.10	
Н	0.035	0.044	0.90	1.10	
J	0.002	0.010	0.05	0.25	
K	0.006	0.016	0.15	0.40	
L	0.010	0.018	0.26	0.46	

Suggested Solder Pad Layout





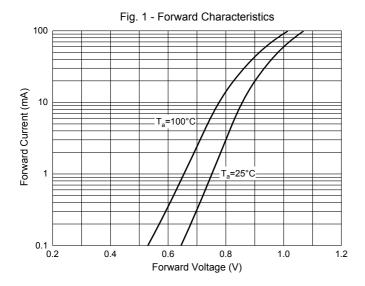
Electrical Characteristics @ 25°C Unless Otherwise Specified

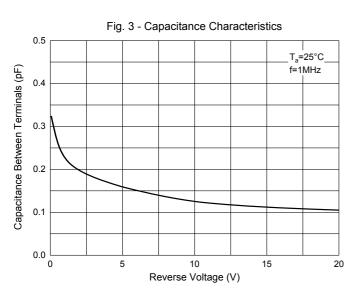
Parameter	Symbol	Min.	Тур	Max.	Conditions
Reverse Voltage Leakage Current	I _R			10µA	V _R =175V
Theverse voltage Leakage Guirent	'K			1.0µA	V _R =20V
Forward Voltage	V _F			1.1V	I _F =50mA
	C _d 1		0.52pF		V _R =0V,f=1MHz
Diode Capacitance	Cd2		0.37pF	0.5pF	V _R =1V,f=1MHz
	Саз		0.23pF	0.35pF	V _R =20V,f=1MHz
	R _{D1}		20Ω	40Ω	I _F =0.5mA, f=100MHz
Diode Forward Resistance	R _{D2}		10Ω	20Ω	I _F =1.0mA, f=100MHz
	R D3		2.0Ω	3.8Ω	I _F =10mA, f=100MHz
	R _{D4}		0.7Ω	1.35Ω	I _F =100mA, f=100MHz
Charge carrier life time	T _L		1.55µS		When switched from $I_F = 10 mA$ to $I_R = 6 mA$; $R_L = 100 \Omega; measured at I_R = 3 mA$
Series inductance					
BAP64-04W/06W BAP64-05W	L _S		1.6nH 1.4nH		I _F =100mA,f=100MHz

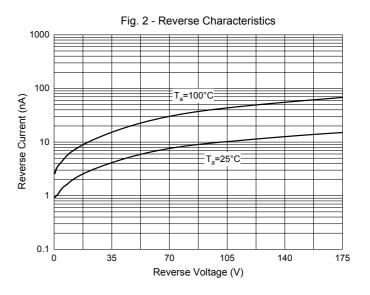
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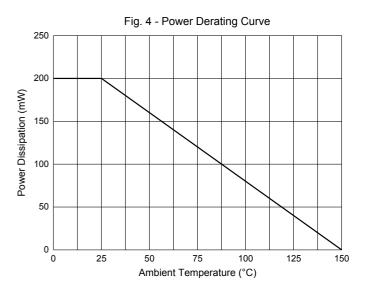


Curve Characteristics











Ordering Information

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

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