

BAP50-3 SILICON PIN DIODES

DESCRIPTION

The UTC **BAP50-3** is General-purpose PIN diode in an SOD-323 small plastic SMD package.

FEATURES

* Low diode capacitance

* Low diode forward resistance

SYMBOL

ORDERING INFORMATION

Ordering Number		Deelvere	Pin Assignment		Decking		
Lead Free	Halogen Free	Раскаде	1	2	Packing		
BAP50-3L-CB2-R	BAP50-3G-CB2-R	SOD-323	К	А	Tape Reel		
Note: Pin Assignment: K: Cathode A: Anode							
BAP50-3G-CB2-F	(1) R: Tape Reel (2) CB2: SOD-323 (3) G: Halogen Fre	ee and Lea	d Free, L: I	_ead Free			

MARKING





■ ABSOLUATE MAXIMUM RATINGS (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNITS
Reverse Voltage	V _R	50	V
Forward Current	IF	50	mA
Power Dissipation	PD	500	mW
Junction Temperature	TJ	-65 ~ +150	°C
Storage Temperature	T _{STG}	-65 ~ +150	°C

Note Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Reverse Voltage	V _R	I _R = 10μΑ	50			V
Reverse Current	I _R	V _R =50V			100	nA
Forward Voltage	VF	I _F =50mA		0.91	1.1	V
		V _R =0V, f=1MHz		0.55		рF
Diode Capacitance	C _d	V _R =1V, f=1MHz		0.43	0.55	рF
		V _R =5V, f=1MHz		0.33	0.35	рF
		I _F =0.5mA, f=100MHz			40	Ω
Diode Forward Resistance	r _d	I _F =1.0mA, f=100MHz			25	Ω
		I _F =10mA, f=100MHz			5	Ω



TYPICAL CHARACTERISTICS



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