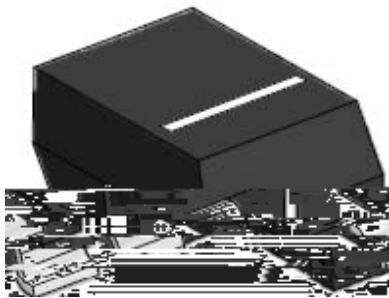




Small-Signal Switching Diodes



Features

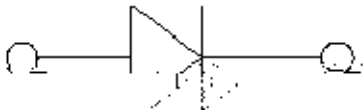
- VR 250V
- I_{FAV} 200mA

Typical Applications

- Extreme fast switches

Mechanical Data

- the cathode end



X

	RRM	V		250
Non-Repetitive Peak Forward Surge Current	I _{FSM}	mA	t = 1s	500
Average forward current	I _{FAV}	mA		200
Power dissipation	P _D	mW		250
Junction temperature	T _j			-65 to +150
Storage temperature range	T _{stg}			-65 to +150

■Electrical Characteristics ĀT_a=25 - Unless otherwise specified Ā

PARAMETER				
			I _F = 200mA	1.25
Maximum Reverse current	I _R	nA	VR = 200V	100
Minimum Breakdown voltage	V _R	V	I _R = 10μA	250
Maximum Diode capacitance	C _D	pF	V _R = 0V , f = 1MHz	5
Maximum Reverse recovery time	t _{rr}	ns	IF = IR = 30mA , RL = 100Ω , IRR = 3mA	

50



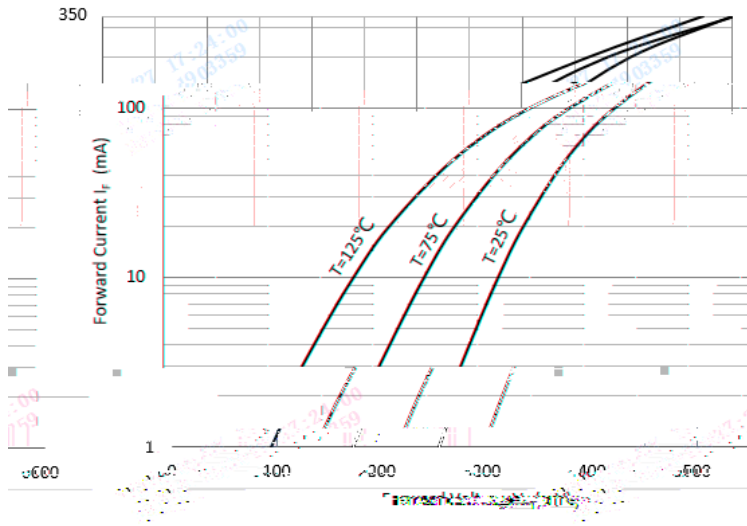
BAS21WS

■Ordering Information (Example)

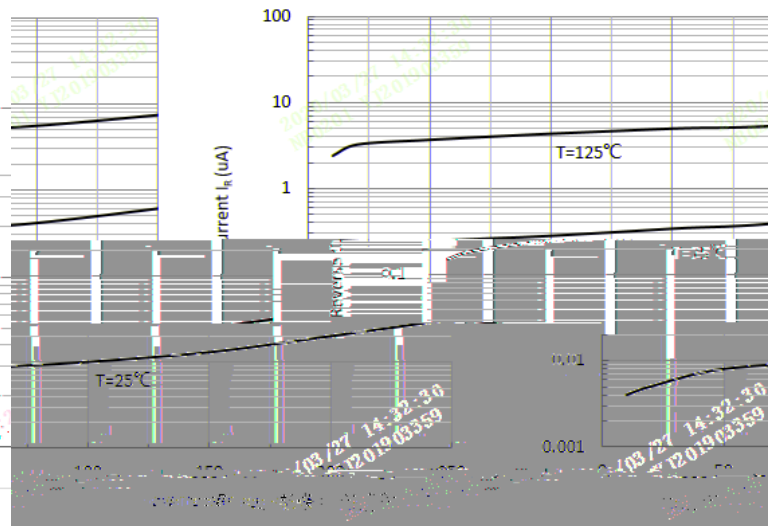
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAS21WS	F2	Approximate 0.0048	3000	30000	120000	7" reel

■Characteristics(Typical)

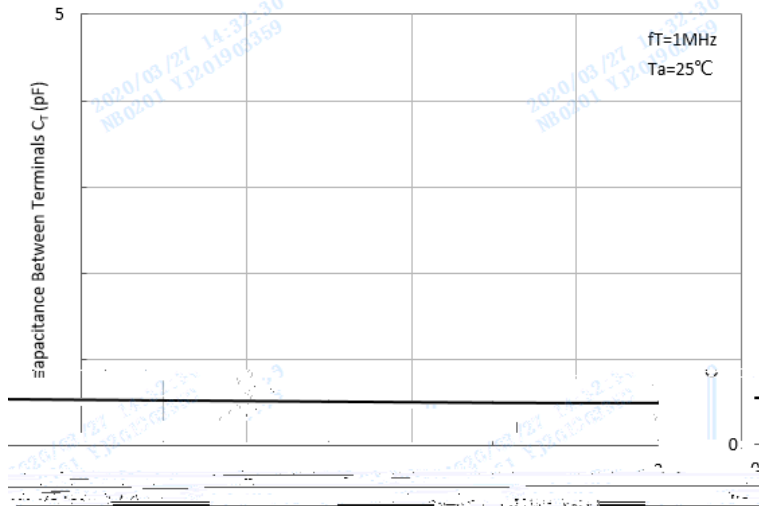
Forward Characteristics



Reverse Characteristics



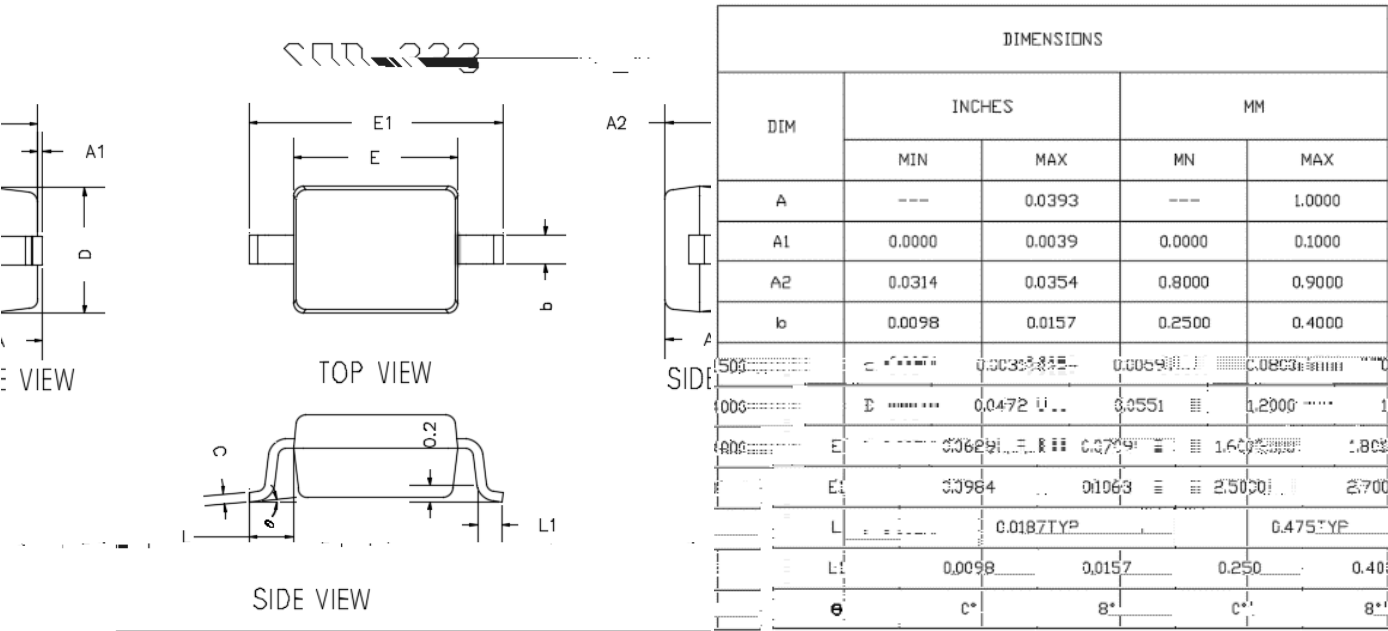
Capacitance Characteristics



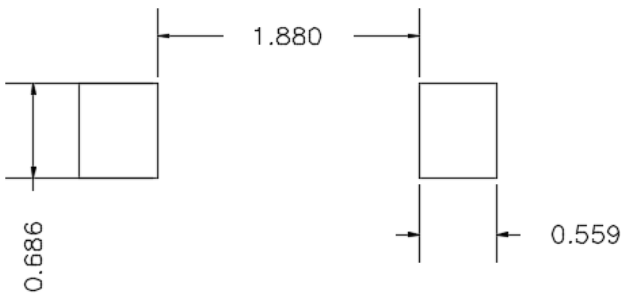


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■Outline Dimensions



■Soldering Footprint



UNIT: mm

SUGGESTED SOLDER PAD LAYOUT

% \$ 6 : 6

'LVFODLPHU