

VR 250V
I_{FAV} 200mA

Extreme fast switches

: SOD523
: Tin plated leads, solderable per
J-STD-002 and JESD22-B102
Cathode line denotes the cathode end
JS

(Ta=25 Unless otherwise specified)

Repetitive peak reverse voltage	V _{RRM}	V		250
Reverse Voltage	V _R	V		250
Non-Repetitive Peak Forward Surge Current	I _{FSM}	A	t=8.3ms, Half sine-wave	2
Average forward current	I _{FAV}	mA		200
Power dissipation	P _D	mW		150
Junction temperature	T _j			150
Storage temperature range	T _{stg}			-55 to +150

Ta=25 Unless otherwise specified

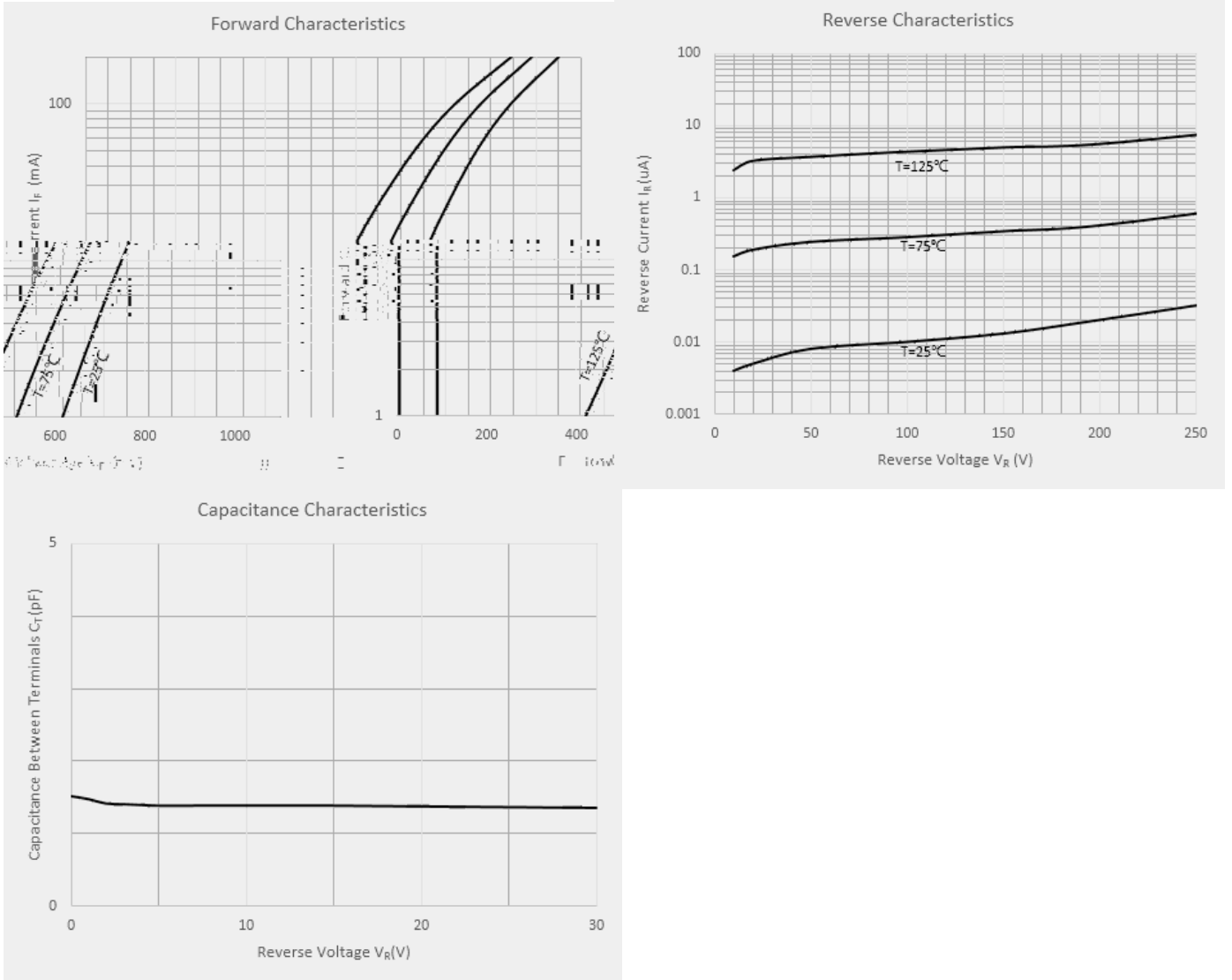
Maximum Forward voltage	V _F	V	I _F =100mA	1.1
Maximum Reverse current	I _R	nA	V _R =250V	150
Minimum Breakdown voltage	V _R	V	I _R =100uA	250
Maximum Diode capacitance	C _D	pF	V _R =0V, f =1MHz	5
Maximum Reverse recovery time	t _{rr}	ns	I _F =I _R =30 mA,RL=100 ,IRR=3mA	50



(Example)

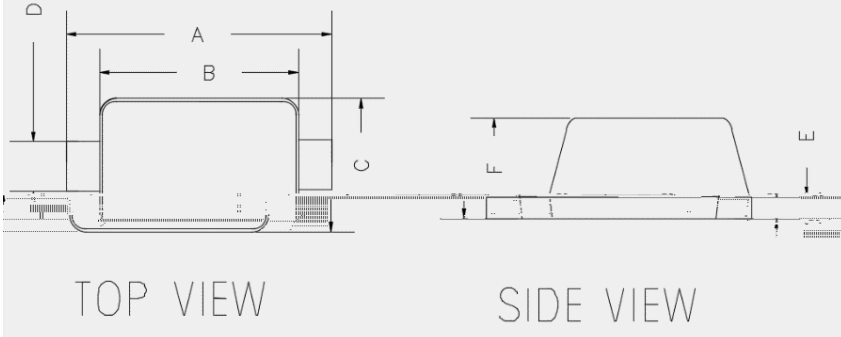
BAS521	F2	Approximate 0.002	8000	80000	320000	7" reel
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(Typical)





SOD-523



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.500	1.700
B	0.043	0.051	1.100	1.300
C	0.035	0.040	0.900	1.000
D	0.024	0.028	0.610	0.710
E	0.008	0.010	0.200	0.250
F	0.028	0.033	0.700	0.850

