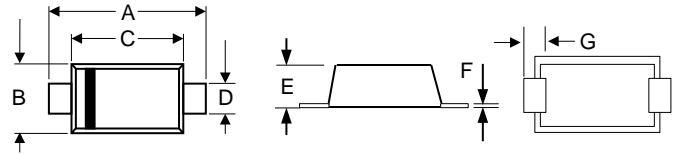


Features

- * Ultra small mold type
- * Low forward voltage
- * High reliability
- * Marking Code: "Z"
- * For rectifying small power applications



RoHS
COMPLIANT



SOD-523F				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.059	0.067	1.50	1.70
B	0.030	0.033	0.75	0.85
C	0.045	0.049	1.15	1.25
D	0.012	0.016	0.30	0.40
E	0.024	0.028	0.60	0.70
F	0.004	0.005	0.10	0.14

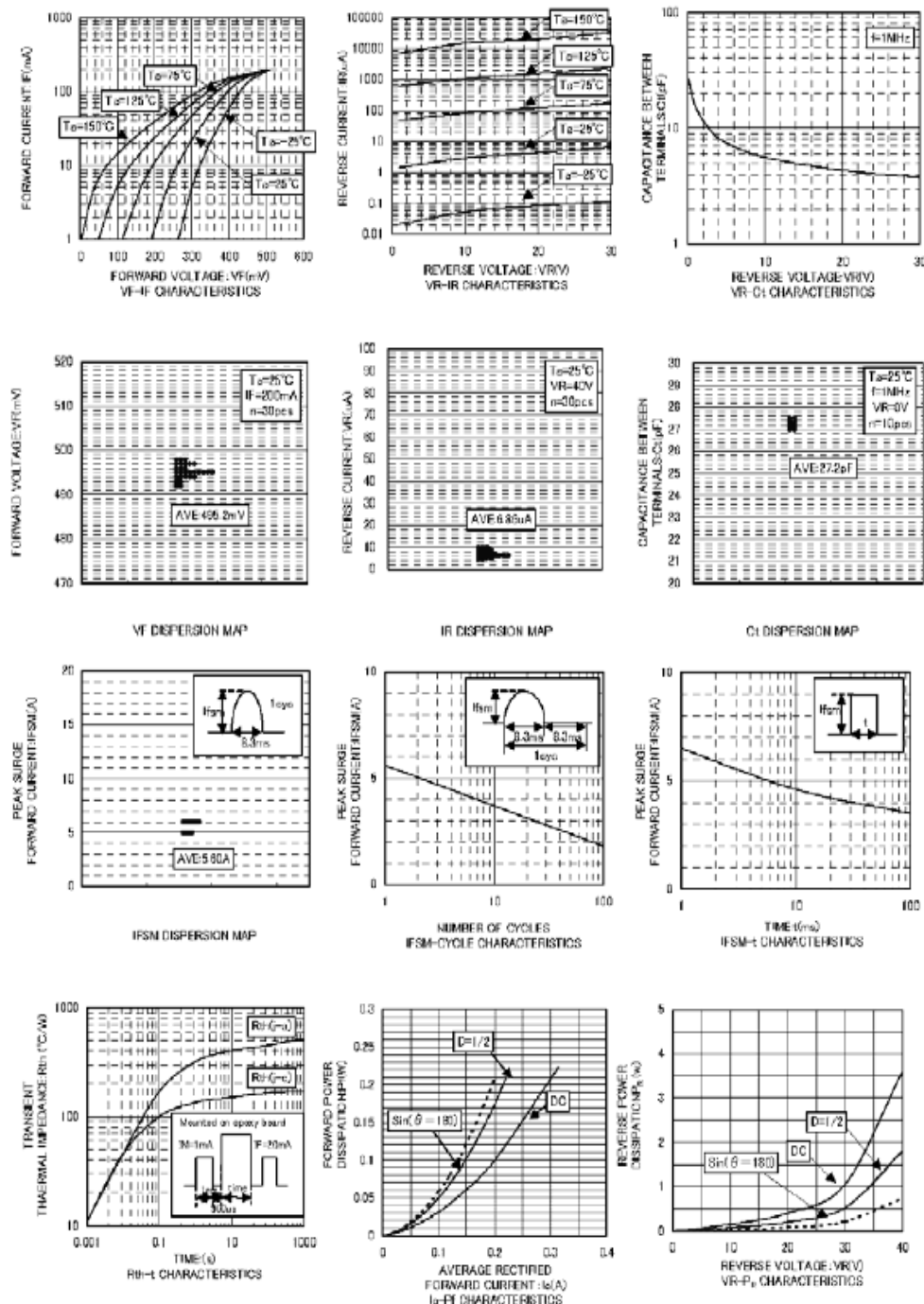
Maximum Ratings (T_A=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RM}	45	V
Reverse Voltage	V _R	40	V
Mean Rectifying Current	I _O	200	mA
Peak Forward Surge Current (60Hz for Cyc.)	I _{FSM}	1	A
Junction Temperature	T _j	150	°C
Storage Temperature Range	T _{stg}	- 55 to + 150	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 10 mA at I _F = 100 mA at I _F = 200 mA	V _F	0.16 0.31 0.41	0.3 0.45 0.54	V
Reverse Current at V _R = 10 V at V _R = 40 V	I _R	- -	20 90	μA

Ratings and Characteristic Curves





RB521S-40

Silicon Epitaxial Planar Schottky Barrier Diode

Ordering Information

Part No.	Package	Packing Code	Packing
RB521S-40	SOD-523F	R30	3000pcs/Reel

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