

MSKSEMI

SEMICONDUCTOR



ESD



TVS



TSS



MOV



GDT

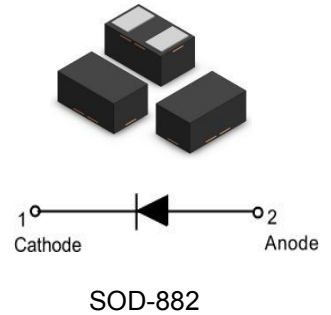


PLED

Product data sheet

FEATURES

- Extremely small surface mounting type. (SOD882).
- Low VF.
- High reliability.
- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.



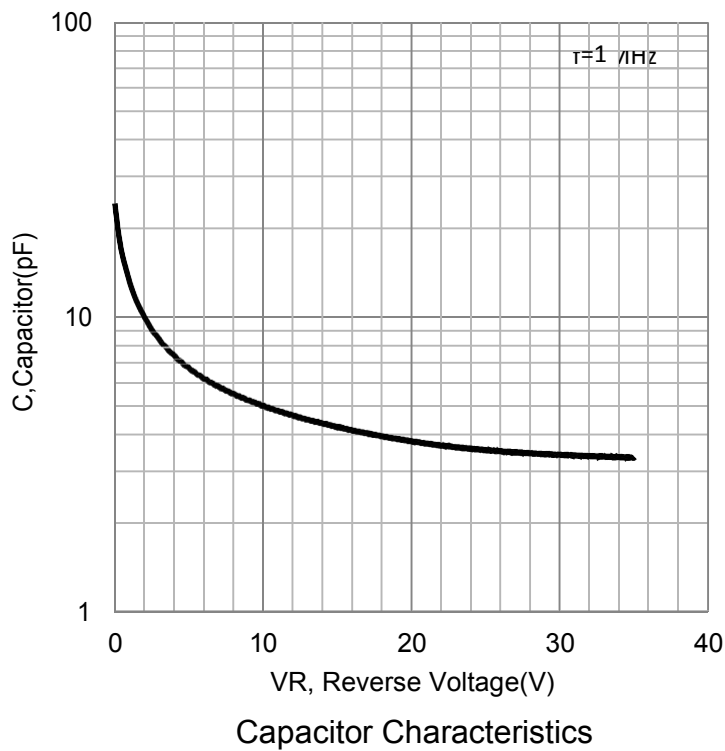
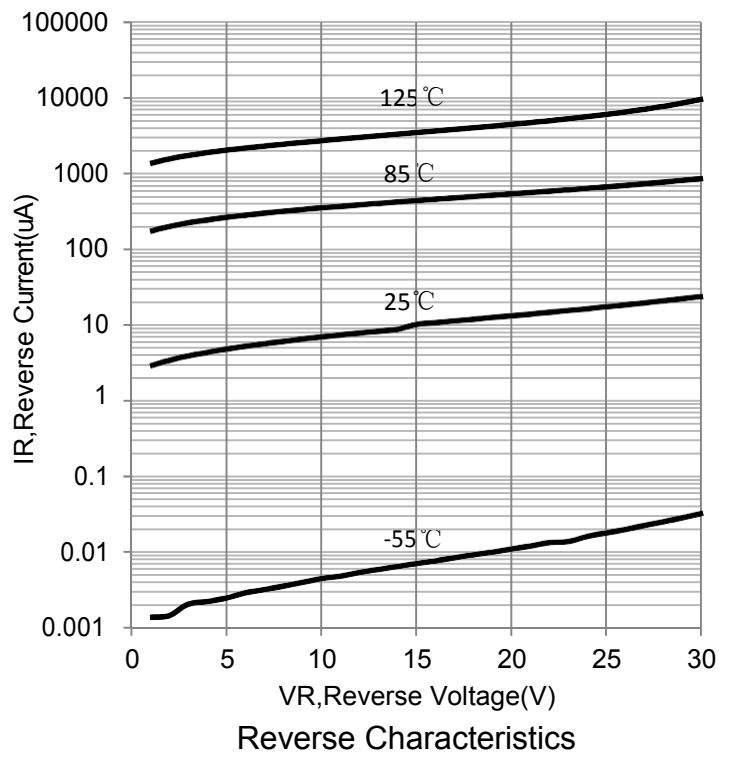
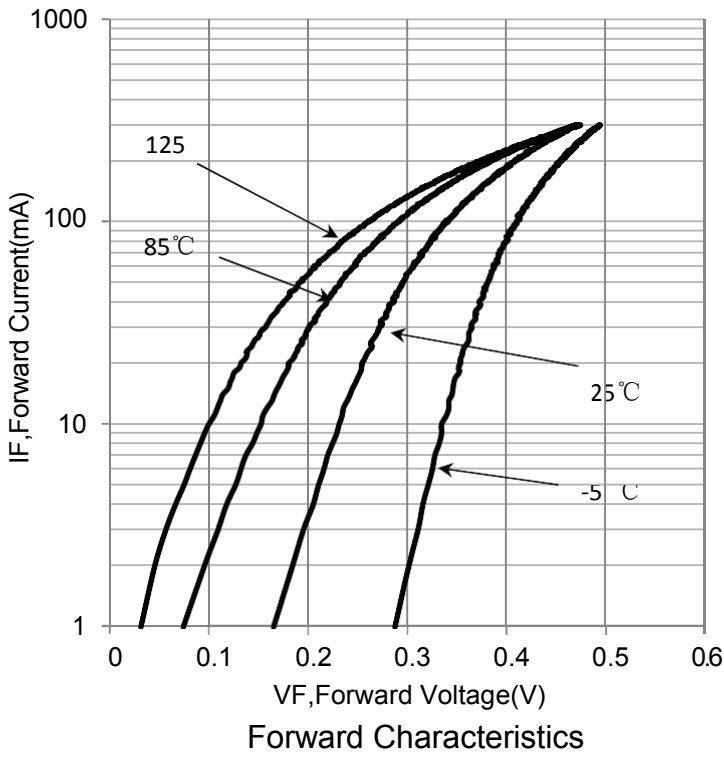
MAXIMUM RATINGS(Ta = 25oC)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	VR	30	V
Average rectifier forward current	IO	200	mA
Forward current surge peak (60Hz · 1cyc)	IFSM	500	
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40~+125	

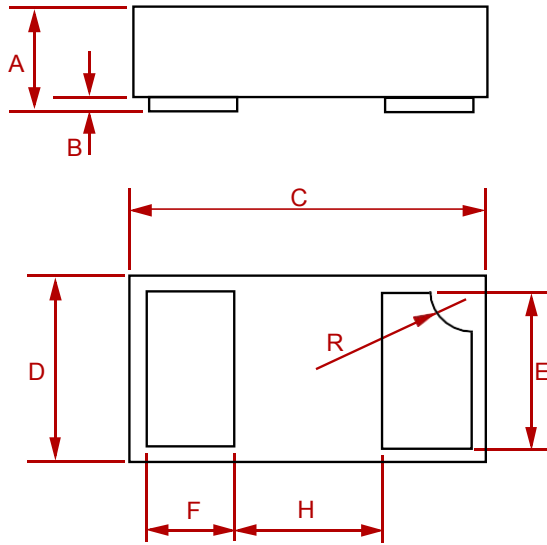
ELECTRICAL CHARACTERISTICS (Ta= 25oC)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Forward voltage (IF =200mA)	VF	-	-	0.5	V
(IF =100mA)		-	-	0.4	
(IF =20mA)		-	-	0.38	
(IF =10mA)		-	-	0.35	
Reverse current (VR =10V)	IR	-	-	30	µA

ELECTRICAL CHARACTERISTICS CURVES

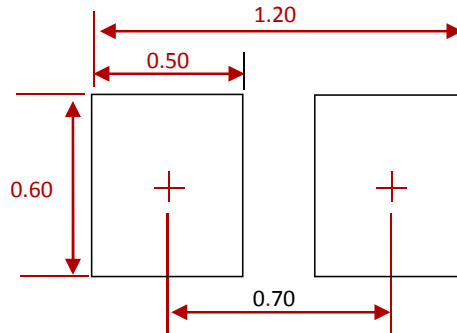


PACKAGE MECHANICAL DATA



Dim	Inches		Millimeters	
	MIN	MAX	MIN	MAX
A	0.0125	0.02	0.32	0.52
B	0.000	0.002	0.00	0.05
C	0.037	0.043	0.95	1.080
D	0.022	0.027	0.55	0.680
E	0.016	0.024	0.40	0.60
F	0.008	0.012	0.20	0.30
H	0.015Typ.		0.40Typ.	
R	0.001	0.005	0.05	0.15

Suggested Pad Layout



NOTES:

1. CONTROLLING DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).
2. THIS LAND PATTERN IS FOR REFERENCE PURPOSES ONLY. CONSULT YOUR MANUFACTURING GROUP TO ENSURE YOUR COMPANY'S MANUFACTURING GUIDELINES ARE MET.

REEL SPECIFICATION

P/N	PKG	QTY
RB521BS-30-MS	SOD-882	10000