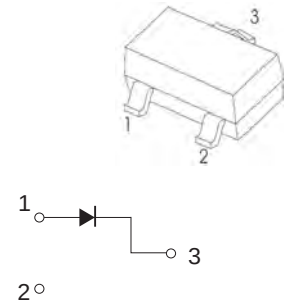


Schottky Barrier Diode

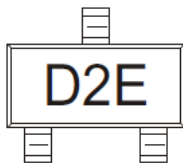
FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- **Moisture Sensitivity Level 1**

SOT-23



Marking: D2E



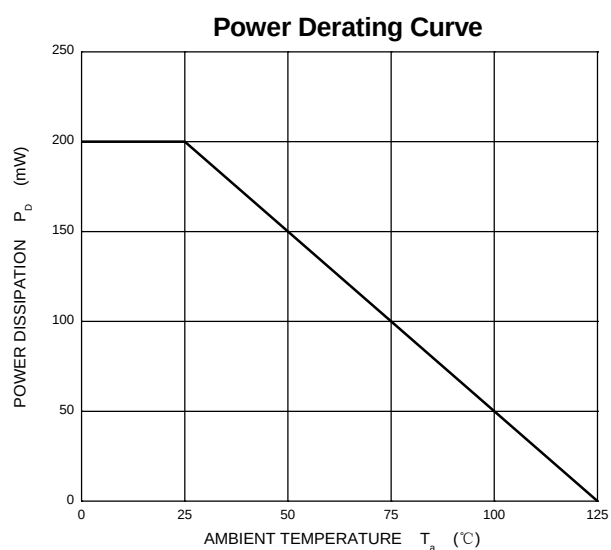
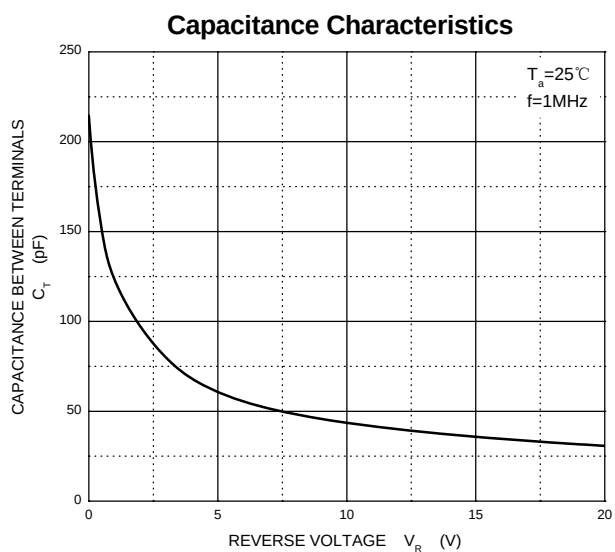
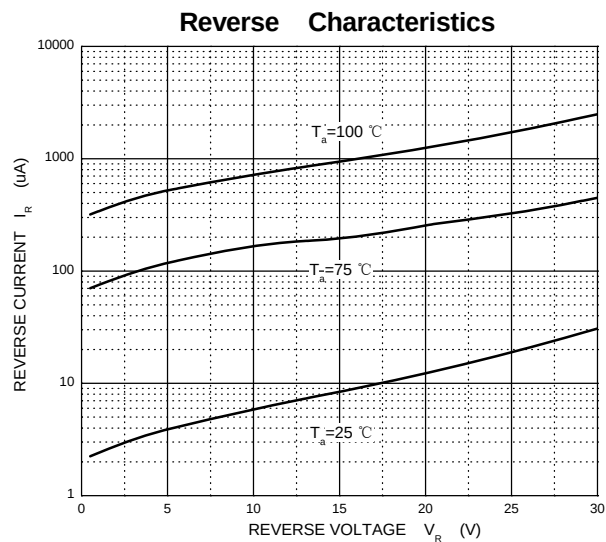
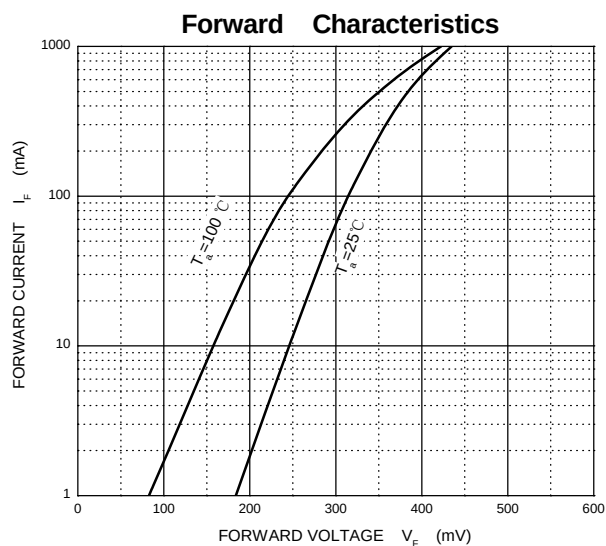
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	25	V
DC reverse voltage	V_R	20	V
Mean rectifying current	I_F	1	A
Non-repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	3	A
Power dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Ratings @Ta=25°C

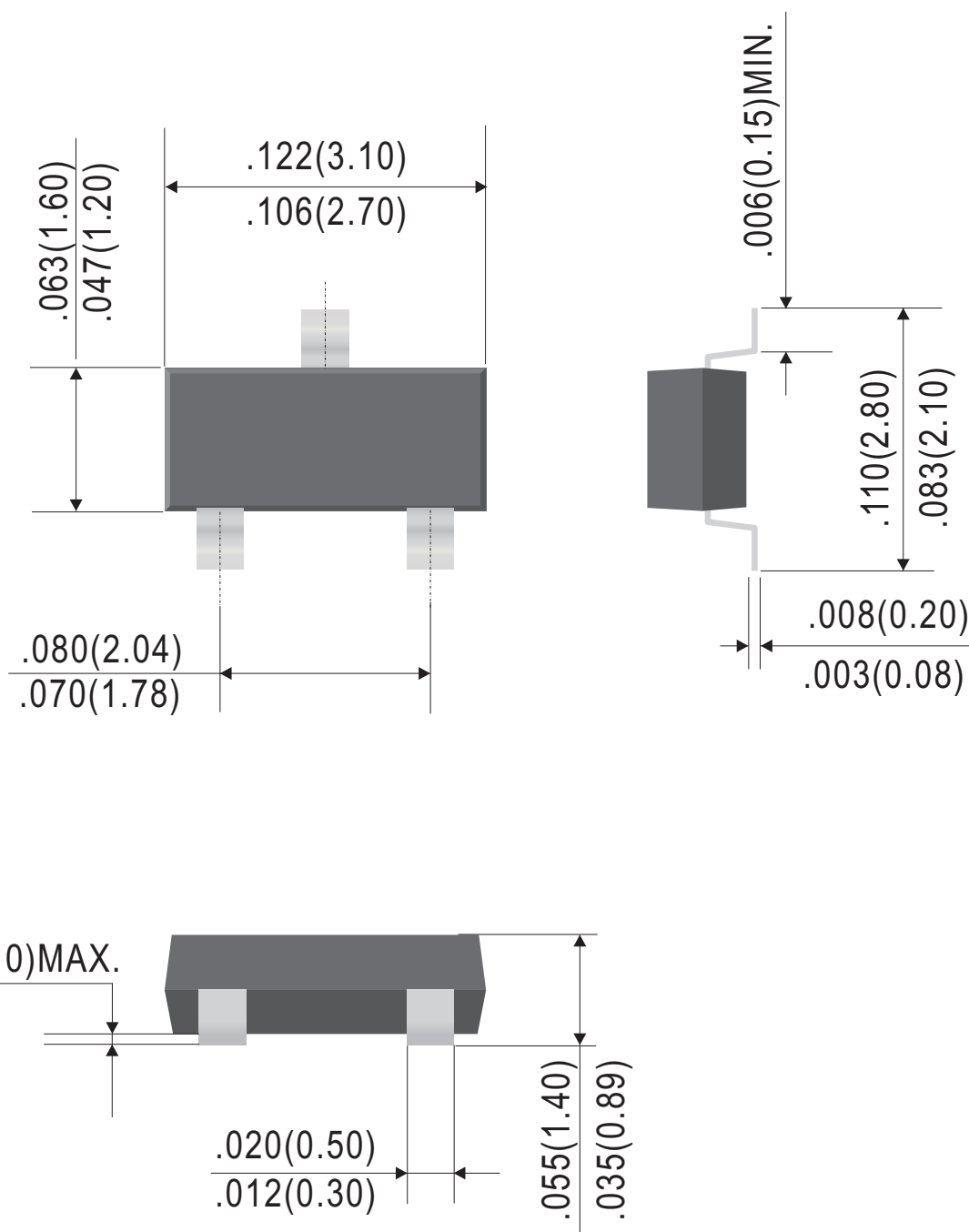
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.45	V	$I_F=1A$
Reverse current	I_R			200	μA	$V_R=20V$

Typical Characteristics



Outline Drawing

SOT-23



Dimensions in inches and (millimeters)

Rev.D

Device PN	Packing
SCS491DS -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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