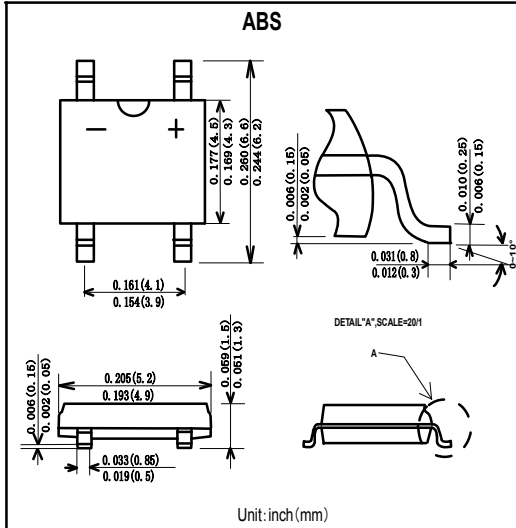


ABSR210

Surface Mount Glass Passivated Bridge Rectifier

Reverse Voltage 200 to 1000 V

Forward Current 2.0 A



Features

- Low reverse leakage
- High forward surge capability
- High temperature soldering guaranteed:
260°C/10 seconds

Mechanical Data

- Case: Molded Plstic
- Polarity: Symbols molded or marked on body
- Mounting Position: Any

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	Symbols	ABSR210	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC blocking voltage	V_{DC}	1000	V
Maximum average forward rectified current	$I_{F(AV)}$	2.0	A
Peak forward surge current 8.3 ms single half sine-wave	I_{FSM}	50	A
Typical thermal resistance	$R_{\theta JA}$	65	°C/W
Operating junction and storage temperature range	T_j, T_{STG}	-55 --- +150	°C

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

		Symbols	ABSR210	Unit
Maximum forward voltage	$I_F = 2A$	V_F	1.25	V
Maximum reverse current	$T_A = 25^\circ C$ $T_A = 125^\circ C$	I_R	10 150	μA
MAX. Reverse Recovery Time	$I_F = 0.5A$ $I_R = 1.0A$ $I_{RR} = 0.25A$	t_{rr}	500	nS
Type junction capacitance	$V_R = 4.0V, f = 1MHz$	C_j	15	pF

Characteristic Curves

