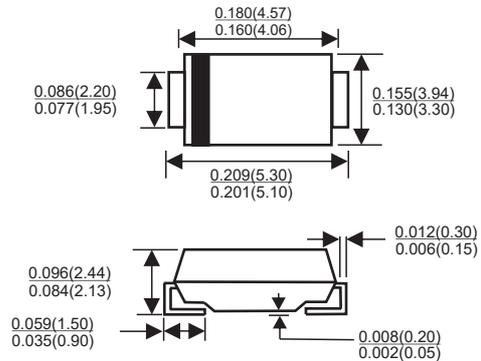


### SMB/DO-214AA

### Features

- Nominal Current – Nennstrom
- Repetitive peak reverse voltage
- Weight approx.
- Plastic material has UL classification 94V-0
- Standard packaging taped and reeled



Dimensions in inches and(millimeters)

### Maximum ratings

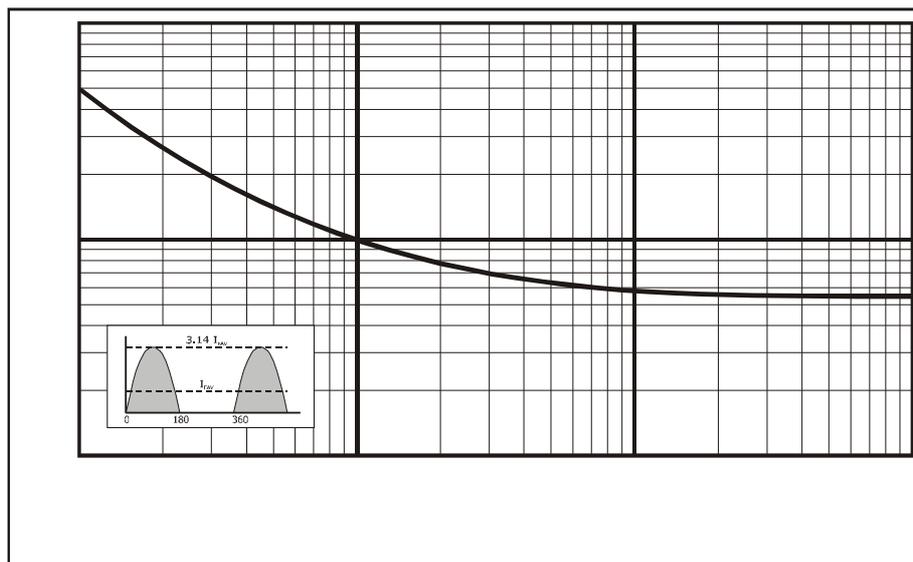
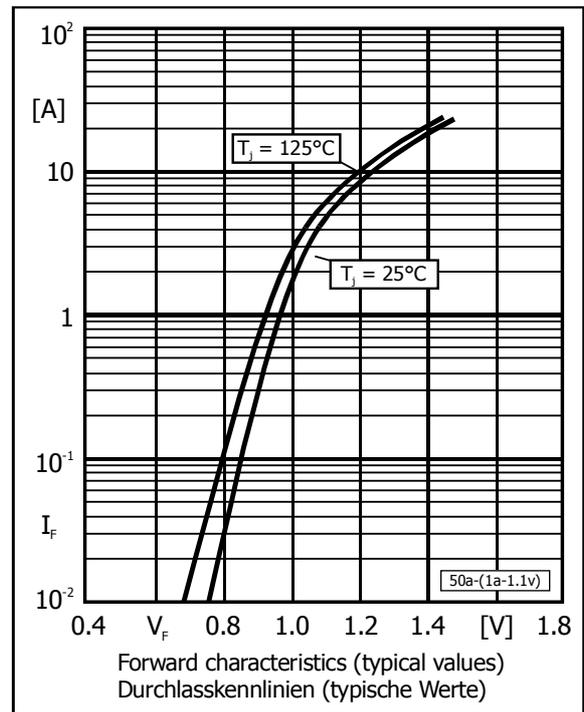
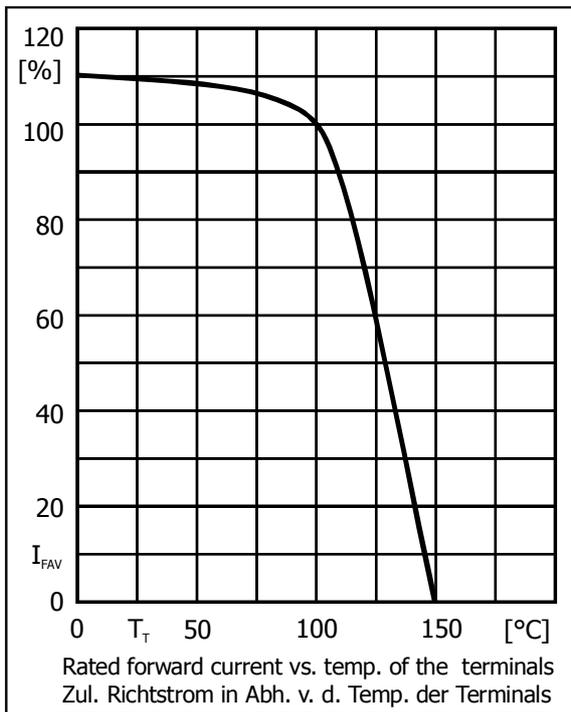
### Grenzwerte

Type	Repetitive peak reverse voltage $V_{RRM}$ [V]	Surge peak reverse voltage $V_{RSM}$ [V]
S2A	50	50
S2B	100	100
S2D	200	200
S2G	400	400
S2J	600	600
S2K	800	800
S2M	1000	1000
S2T	1300	1300
S2W	1600	1600
S2X	1800	1800
S2Y	2000	2000

Max. average forward rectified current, R-load	$T_T = 100^\circ\text{C}$	$I_{FAV}$	2 A
Repetitive peak forward current	$f > 15$ Hz	$I_{FRM}$	10 A <sup>1)</sup>
Peak forward surge current, 50/60 Hz half sine-wave	$T_A = 25^\circ\text{C}$	$I_{FSM}$	50/55 A
Rating for fusing, $t < 10$ ms	$T_A = 25^\circ\text{C}$	$i^2t$	12 A <sup>2</sup> s
Junction temperature – Sperschichttemperatur		$T_j$ $T_s$	-50...+150°C -50...+150°C

### Characteristics

<b>Forward voltage – Durchlass-Spannung</b>	$T_j = 25^\circ\text{C}$	$I_F = 2\text{ A}$	$V_F$	$< 1.15\text{ V}$	
<b>Leakage current Sperrstrom</b>	$T_j = 25^\circ\text{C}$	$V_R = V_{RRM}$	$I_R$	$< 5\ \mu\text{A}$	
	$T_j = 100^\circ\text{C}$	$V_R = V_{RRM}$	$I_R$	$< 100\ \mu\text{A}$	
<b>Thermal resistance junction to ambient air</b>				$R_{thA}$	$< 50\text{ K/W}^1)$
<b>Thermal resistance junction to terminal</b>				$R_{thT}$	$< 15\text{ K/W}$



PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SMB	3000/REEL	48000	36X35.8X36.5	12.00	11.00

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