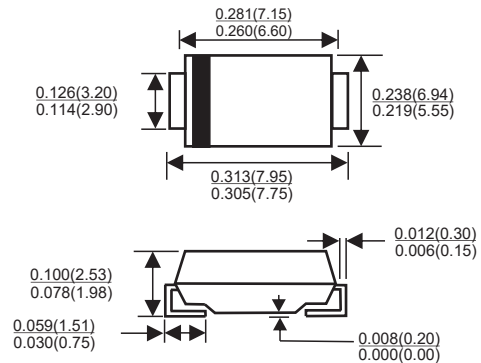


SMC/DO-214AB

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

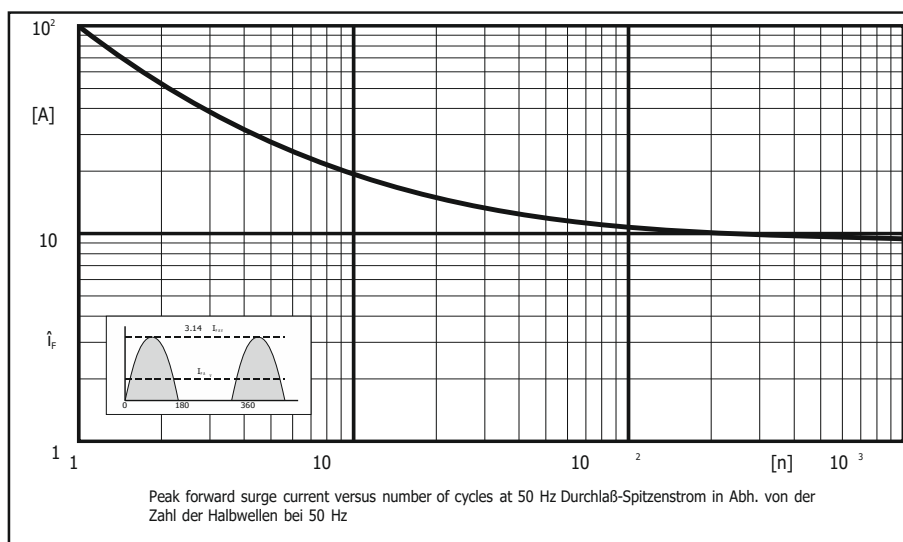
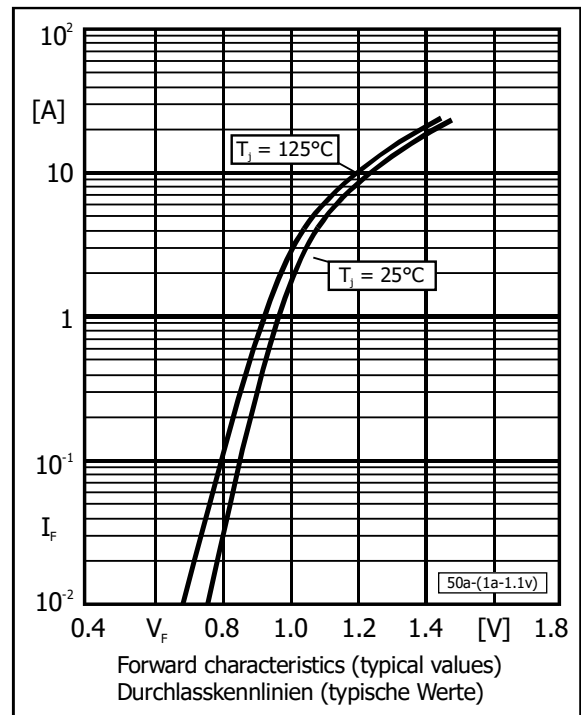
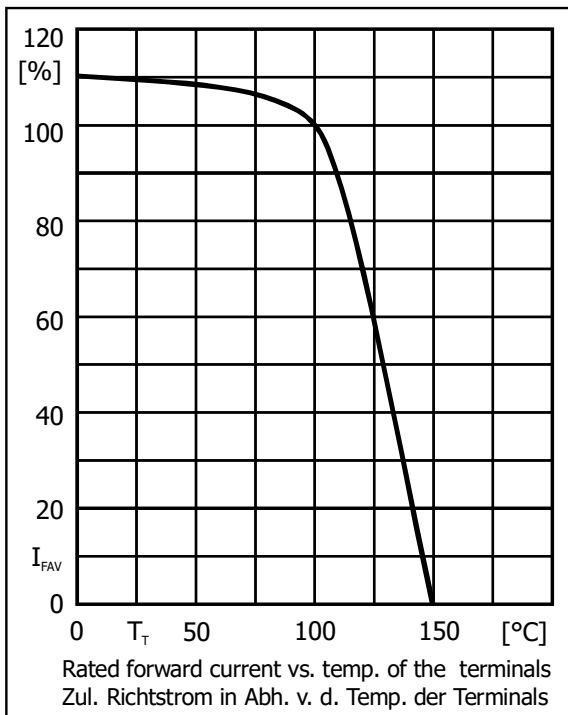
Grenzwerte

Type	Repetitive peak reverse voltage V_{RRM} [V]	Surge peak reverse voltage V_{RSM} [V]
S3A	50	50
S3B	100	100
S3D	200	200
S3G	400	400
S3J	600	600
S3K	800	800
S3M	1000	1000
S3T	1300	1300
S3W	1600	1600
S3X	1800	1800
S3Y	2000	2000

Max. average forward rectified current, R-load	$T_T = 100^\circ\text{C}$	I_{FAV}	3 A
Repetitive peak forward current	$f > 15$ Hz	I_{FRM}	20 A ¹⁾
Peak forward surge current, 50/60 Hz half sine-wave	$T_A = 25^\circ\text{C}$	I_{FSM}	100/110 A
Rating for fusing, $t < 10$ ms	$T_A = 25^\circ\text{C}$	i^2t	50A ² s
Junction temperature – Sperrschichttemperatur		T_j T_s	-50...+150°C -50...+150°C

Characteristics

Forward voltage – Durchlass-Spannung	$T_j = 25^\circ\text{C}$	$I_F = 3\text{ A}$	V_F	< 1.15 V
Leakage current Sperrstrom	$T_j = 25^\circ\text{C}$	$V_R = V_{RRM}$	I_R	< 5 μA
	$T_j = 100^\circ\text{C}$	$V_R = V_{RRM}$	I_R	< 200 μA
Thermal resistance junction to ambient air			R_{thA}	< 36 K/W ¹⁾
Thermal resistance junction to terminal			R_{thT}	< 10 K/W



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