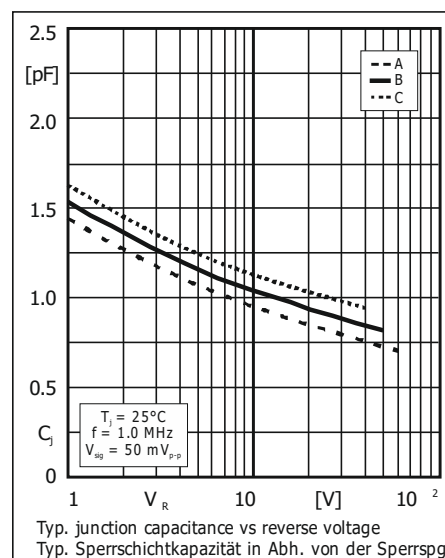
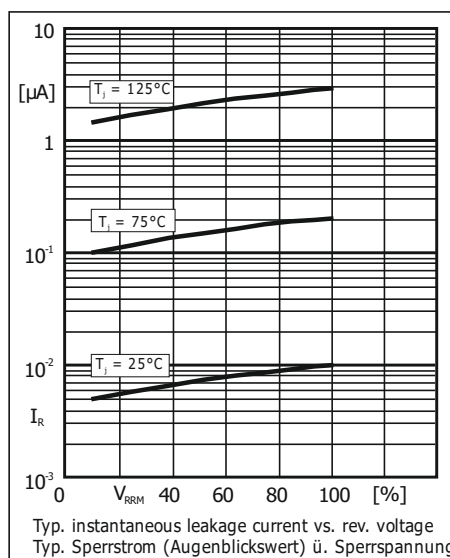
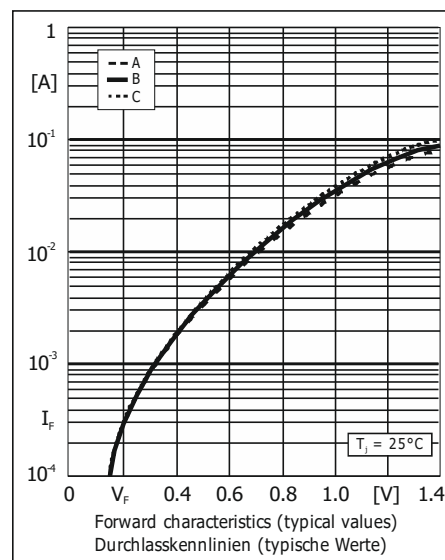
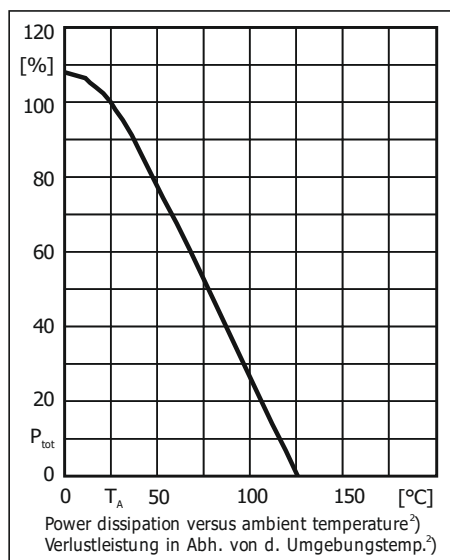


Characteristics

Kennwerte

					SD101AW	SD101BW	SD101CW
Forward voltage Durchlass-Spannung ¹⁾	$T_j = 25^\circ\text{C}$	$I_F = 1\text{ mA}$ 15 mA	V_F		$< 0.41\text{ V}$ $< 1.00\text{ V}$	$< 0.40\text{ V}$ $< 0.95\text{ V}$	$< 0.39\text{ V}$ $< 0.90\text{ V}$
Leakage current Sperrstrom ¹⁾	$T_j = 25^\circ\text{C}$	$V_R = 30\text{ V}$ 40 V 50 V	I_R		– – $< 200\text{ nA}$	– $< 200\text{ nA}$ –	$< 200\text{ nA}$ – –
Typ. junction capacitance – Typ. Sperrschichtkap.	$V_R = 0\text{ V}$	$f = 1\text{ Mhz}$	C_j		2.0 pF	2.1 pF	2.2 pF
Reverse recovery time Sperrverzögerung	$I_F = 5\text{ mA} \rightarrow I_R = 5\text{ mA} \rightarrow I_R = 0.5\text{ mA}$		t_{rr}		typ. 1 ns		
Thermal resistance junction to ambient Wärmewiderstand Sperrschicht – Umgebung			R_{thA}		$< 300\text{ K/W}^2)$		



Disclaimer: See data book page 2 or [website](#)
Haftungsschluss: Siehe Datenbuch Seite 2 oder [Internet](#)

- 1 Tested with pulses $t_p = 300\text{ }\mu\text{s}$, duty cycle $\leq 2\%$ – Gemessen mit Impulsen $t_p = 300\text{ }\mu\text{s}$, Schaltverhältnis $\leq 2\%$
- 2 Mounted with 3 mm^2 copper pads at each terminal – Montage mit 3 mm^2 Kupferbelag (Lötpad) an jedem Anschluss