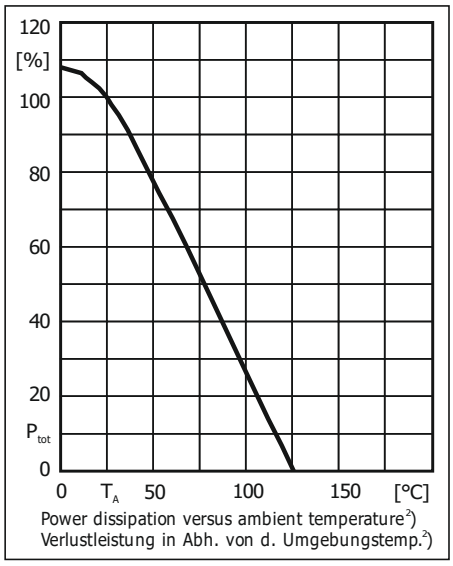
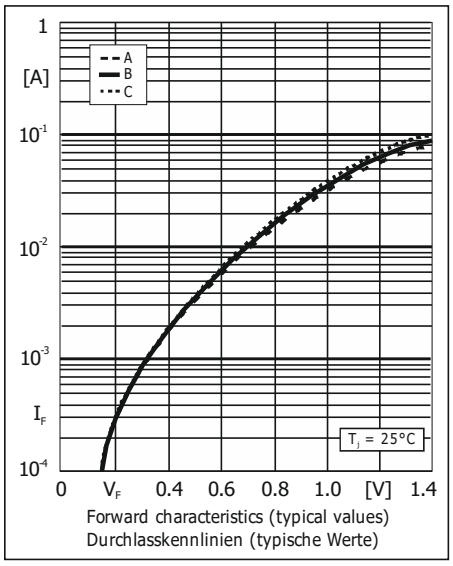
Characteristics **Kennwerte**

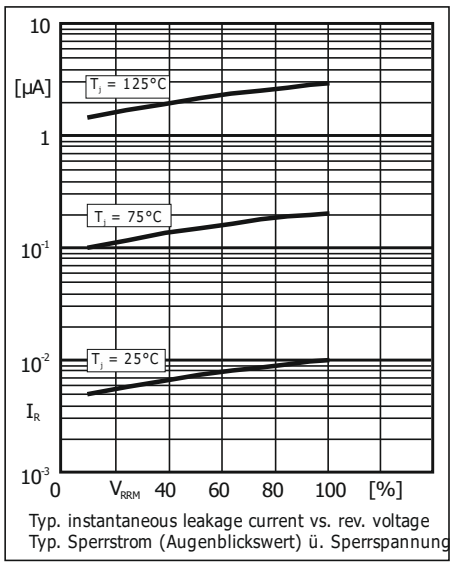
		SD101AW	SD101BW	SD101CW
Forward voltage Durchlass-Spannung [1] T_j = 25°C I_F = 1 mA 15 mA	V_F	< 0.41 V < 1.00 V	< 0.40 V < 0.95 V	< 0.39 V < 0.90 V
Leakage current Sperrstrom [1] T_j = 25°C V_R = 30 V 40 V 50 V	I_R	– – < 200 nA	– < 200 nA –	< 200 nA – –
Typ. junction capacitance – Typ. Sperrschichtkap.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



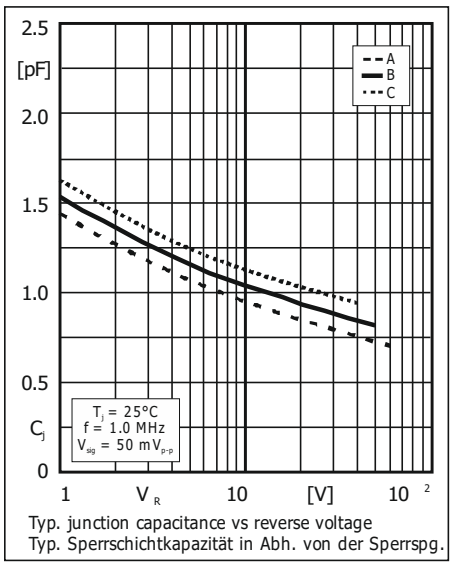
Power dissipation versus ambient temperature[2]
Verlustleistung in Abh. von d. Umgebungstemp.[2]



Forward characteristics (typical values)
Durchlasskennlinien (typische Werte)



Typ. instantaneous leakage current vs. rev. voltage
Typ. Sperrstrom (Augenblickswert) ü. Sperrspannung



Typ. junction capacitance vs reverse voltage
Typ. Sperrschichtkapazität in Abh. von der Sperrspg.

1 Tested with pulses t_p = 300 µs, duty cycle ≤ 2% – Gemessen mit Impulsen t_p = 300 µs, Schaltverhältnis ≤ 2%
2 Mounted with 3 mm² copper pads at each terminal – Montage mit 3 mm² Kupferbelag (Lötpad) an jedem Anschluss

