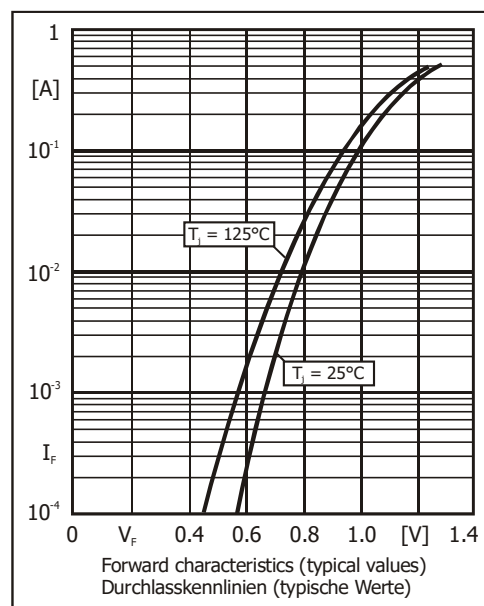
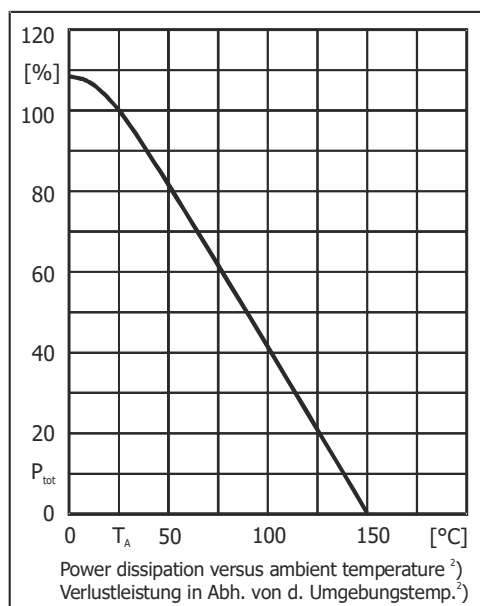


Characteristics				Kennwerte		
				BAS16/-AQ BAW56 BAV99/-Q/-AQ BAV99L/-AQ	BAV70/ -Q	BAV199/ -Q/-AQ
Forward voltage Durchlass-Spannung ¹⁾	$T_j = 25^\circ\text{C}$	$I_F =$ 1 mA 10 mA 50 mA 150 mA	V_F	< 715 mV < 855 mV < 1.0 V < 1.25 V	< 715 mV < 855 mV < 1.0 V < 1.25 V	< 900 mV < 1.0 V < 1.1 V < 1.25 V
Leakage current Sperrstrom ¹⁾	$T_j = 25^\circ\text{C}$	$V_R =$ 20 V 25 V 75 V	I_R	– < 30 nA < 1.0 μA	< 25 nA – < 2.5 μA	– – < 5 nA
	$T_j = 150^\circ\text{C}$	$V_R =$ 25 V 75 V	I_R	< 30 μA < 50 μA	< 30 μA < 50 μA	– < 80 nA
Junction capacitance Sperrschichtkapazität	$V_R = 0\text{ V}, f = 1\text{ MHz}$		C_T	< 2 pF	< 2 pF	typ 2 pF
Reverse recovery time Sperrverzögerung	$I_F = 10\text{ mA}$ über/through $I_R = 10\text{ mA}$ bis/to $I_R = 1\text{ mA}$		t_{rr}	< 4 ns	< 4 ns	< 3000 ns
Typical thermal resistance junction to ambient Typischer Wärmewiderstand Sperrschicht-Umgebung			R_{thA}	357 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 on 3 mm² copper pads per terminal
Montage auf 3 mm² Kupferbelag (Löt pads) je Anschluss