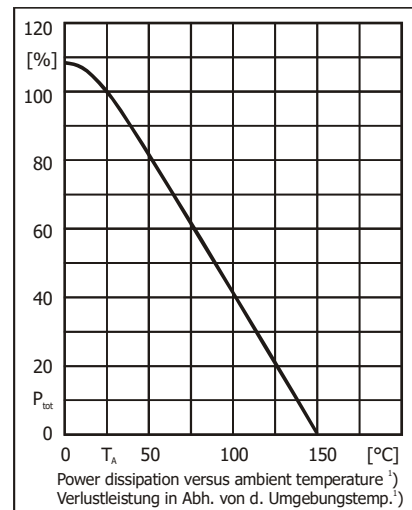
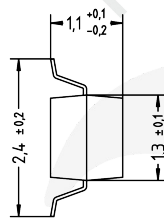
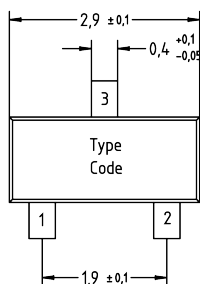




**Characteristics**
**Kennwerte**

		$T_j = 25^\circ\text{C}$	<b>Min.</b>	<b>Typ.</b>	<b>Max.</b>
DC current gain – Kollektor-Basis-Stromverhältnis <sup>1)</sup>					
$V_{CE} = 1\text{ V}, I_C = 100\text{ mA}$	Group -16	$h_{FE}$	100	–	250
	Group -25		160	–	400
	Group -40		250	–	630
$V_{CE} = 1\text{ V}, I_C = 500\text{ mA}$		$h_{FE}$	40	–	–
Collector-Emitter saturation voltage – Kollektor-Emitter-Sättigungsspg. <sup>2)</sup>					
$I_C = 500\text{ mA}, I_B = 50\text{ mA}$		$V_{CEsat}$	–	–	0.7 V
Base-Emitter saturation voltage – Basis-Emitter-Sättigungsspannung <sup>2)</sup>					
$I_C = 500\text{ mA}, I_B = 50\text{ mA}$		$V_{BEsat}$	–	–	1.3 V
Base-Emitter-voltage – Basis-Emitter-Spannung <sup>2)</sup>					
$V_{CE} = 1\text{ V}, I_C = 500\text{ mA}$		$V_{BE}$	–	–	1.2 V
Collector-Base cutoff current – Kollektor-Basis-Reststrom					
$V_{CB} = 20\text{ V}, (E\text{ open})$		$I_{CBO}$	–	–	100 nA
$V_{CB} = 20\text{ V}, T_j = 125^\circ\text{C}, (E\text{ open})$			–	–	5 $\mu\text{A}$
Emitter-Base cutoff current – Emitter-Basis-Reststrom					
$V_{EB} = 4\text{ V}, (C\text{ open})$		$I_{EBO}$	–	–	100 nA
Gain-Bandwidth Product – Transitfrequenz					
$V_{CE} = 5\text{ V}, I_C = 10\text{ mA}, f = 50\text{ MHz}$		$f_T$	–	100 MHz	–
Collector-Base Capacitance – Kollektor-Basis-Kapazität					
$V_{CB} = 10\text{ V}, I_E = i_e = 0, f = 1\text{ MHz}$		$C_{CBO}$	–	12 pF	–
Typical thermal resistance junction to ambient Typischer Wärmewiderstand Sperrschicht – Umgebung		$R_{thA}$	420 K/W <sup>2)</sup>		

**Dimensions - Maße [mm]**


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

- 1 Tested with pulses  $t_p = 300\ \mu\text{s}$ , duty cycle  $\leq 2\%$  – Gemessen mit Impulsen  $t_p = 300\ \mu\text{s}$ , Schaltverhältnis  $\leq 2\%$
- 2 Mounted on P.C. board with  $3\text{ mm}^2$  copper pad at each terminal  
Montage auf Leiterplatte mit  $3\text{ mm}^2$  Kupferbelag (Löt-pad) an jedem Anschluss

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