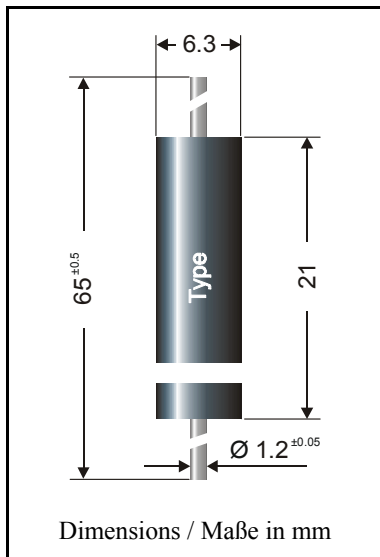


**High Voltage Si-Rectifiers**

**Si-Hochspannungs-Gleichrichter**



Nominal current – Nennstrom 1 A...0.3A

Repetitive peak reverse voltage  
Periodische Spitzensperrspannung 4000...16000 V

Plastic case  
Kunststoffgehäuse Ø 6.3 x 21 [mm]

Weight approx. – Gewicht ca. 1.9 g

Plastic material has UL classification 94V-0  
Gehäusematerial UL94V-0 klassifiziert

Standard packaging: bulk  
Standard Lieferform ungegurtet

**Maximum ratings and Characteristics**

**Grenz- und Kennwerte**

Type Typ	Rep. peak reverse volt. Period. Spitzensperrspg. $V_{RRM}$ [V]	Surge peak reverse volt. Stoßspitzensperrspg. $V_{RSM}$ [V]	Max. forward current Dauergrenzstrom $I_{FAV}$ [A] <sup>1)</sup>	Forward volt. Durchlaßspg $V_F$ [V] <sup>2)</sup>
BY 4	4000	4000	1.0	< 4.0
BY 6	6000	6000	1.0	< 6.0
BY 8	8000	8000	0.5	< 8.0
BY 12	12000	12000	0.5	< 8.0
BY 16	16000	16000	0.3	< 15.0

Leakage current Sperrstrom	$T_j = 25^\circ\text{C}$ $T_j = 100^\circ\text{C}$	$V_R = V_{RRM}$ $V_R = V_{RRM}$	$I_R$ $I_R$	< 1 $\mu\text{A}$ < 25 $\mu\text{A}$
Peak forward surge current, 50 Hz half sine-wave Stoßstrom für eine 50 Hz Sinus-Halbwellen		$T_A = 25^\circ\text{C}$	$I_{FSM}$	100 A
Operating junction temperature – Sperrschichttemperatur Storage temperature – Lagerungstemperatur			$T_j$ $T_S$	- 50...+150°C - 50...+150°C
Thermal resistance junction to ambient air Wärmewiderstand Sperrschicht – umgebende Luft			$R_{thA}$	< 25 K/W <sup>1)</sup>

<sup>1)</sup> Valid, if leads are kept at ambient temperature at a distance of 10 mm from case  
Gültig, wenn die Anschlußdrähte in 10 mm Abstand von Gehäuse auf Umgebungstemperatur gehalten werden

<sup>2)</sup> at / bei  $I_{FAV}$ ,  $T_j = 25^\circ\text{C}$

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