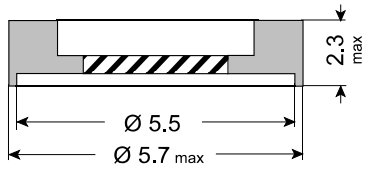
Silicon Rectifier Cells with polysiloxan passivation

Silizium-Gleichrichterzellen mit Polysiloxan-Passivierung



Dimensions / Maße in mm

Nominal current – Nennstrom	6 A
Repetitive peak reverse voltage Periodische Spitzensperrspannung	50…1000 V
Weight approx. – Gewicht ca.	0.3 g
Standard packaging bulk Standard Lieferform lose	

Maximum ratings and Characteristics **Kenn- und Grenzwerte**

Type Typ	Repetitive peak reverse voltage Periodische Spitzensperrspannung V_{RRM} [V]	Surge peak reverse voltage Stoßspitzensperrspannung V_{RSM} [V]
AG 6A	50	80
AG 6B	100	130
AG 6D	200	250
AG 6G	400	450
AG 6J	600	700
AG 6K	800	1000
AG 6M	1000	1300

Max. forward rectified current, R-load Dauergrenzstrom in Einwegschaltung mit R-Last	$T_T = 100^\circ C$	I_{FAV}	6 A [1])
Repetitive peak forward current Periodischer Spitzenstrom	f > 15 Hz	I_{FRM}	40 A [1])
Peak forward surge current, 50 Hz half sine-wave Stoßstrom für eine 50 Hz Sinus-Halbwelle	$T_A = 25^\circ C$	I_{FSM}	400 A
Rating for fusing – Grenzlastintegral, t < 10 ms	$T_A = 25^\circ C$	i^2t	800 A^2s
Operating junction temperature – Sperrschichttemperatur Storage temperature – Lagerungstemperatur		T_j T_S	– 50...+150°C – 50...+150°C
Forward voltage Durchlaßspannung	$T_j = 25^\circ C$	$I_F = 6$ A	V_F < 0.95 V
Leakage current – Sperrstrom	$T_j = 25^\circ C$	$V_R = V_{RRM}$	I_R < 10 µA

[1]) Max. temperature of the terminals $T_T = 100^\circ C$ – Max. Temperatur der Kontaktflächen $T_T = 100^\circ C$

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