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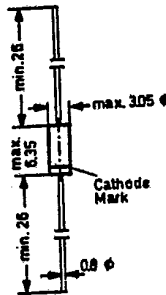
1N4001 ... 1N4007, EM513

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Silicon Rectifiers

Nominal current **1 A**
Repetitive peak reverse voltage **100 ... 1600 V**

The type 1N4004 is also available according British Telecom Specification D 7206.



These rectifiers are delivered taped.
Details see "Taping".

Plastic case
58 A 2 according to DIN 41883

Weight approx. 0.4 g
Dimensions in mm

Absolute Maximum Ratings

	Symbol	Value	Unit	
Repetitive Peak Reverse Voltage and Surge Peak Reverse Voltage	1N4001	V_{RRM}, V_{RSM}	50	V
	1N4002	V_{RRM}, V_{RSM}	100	V
	1N4003	V_{RRM}, V_{RSM}	200	V
	1N4004	V_{RRM}, V_{RSM}	400	V
	1N4005	V_{RRM}, V_{RSM}	600	V
	1N4006	V_{RRM}, V_{RSM}	800	V
	1N4007 EM513	V_{RRM}, V_{RSM}	1000 1600	V
Nominal Current at Half Wave Rectification with Resistive Load at $T_{amb} = -65$ to $+75$ °C at $T_{amb} = 100$ °C	I_{FAV}	1 ¹⁾	A	
	I_{FAV}	0.75 ¹⁾	A	
Repetitive Peak Forward Current at $\theta < 40^\circ, f > 15$ Hz, $T_{amb} = 25$ °C	I_{FRM}	10 ¹⁾	A	
Surge Forward Current, Half Cycle 50 Hz, starting from $T_j = 25$ °C	I_{FSM}	50	A	
Junction Temperature	T_j	175	°C	
Ambient Operating Temperature Range	T_{amb}	-65 to +175	°C	
Storage Temperature Range	T_s	-65 to +175	°C	

¹⁾ Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.

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