

1N4148; 1N4448

High-speed diodes

LIMITING VALUES

In accordance with the Absolute Maximum Rating System (IEC 60134).

SYMBOL	PARAMETER	CONDITIONS	MIN.	MAX.	UNIT
V_{RRM}	repetitive peak reverse voltage		-	100	V
V_R	continuous reverse voltage		-	100	V
I_F	continuous forward current	see Fig.2; note 1	-	200	mA
I_{FRM}	repetitive peak forward current		-	450	mA
I_{FSM}	non-repetitive peak forward current	square wave; $T_j = 25\text{ °C}$ prior to surge; see Fig.4			
		$t = 1\ \mu\text{s}$	-	4	A
		$t = 1\ \text{ms}$	-	1	A
		$t = 1\ \text{s}$	-	0.5	A
P_{tot}	total power dissipation	$T_{amb} = 25\text{ °C}$; note 1	-	500	mW
T_{stg}	storage temperature		-65	+200	°C
T_j	junction temperature		-	200	°C

