

Technical Data

DIODE



maximum ratings

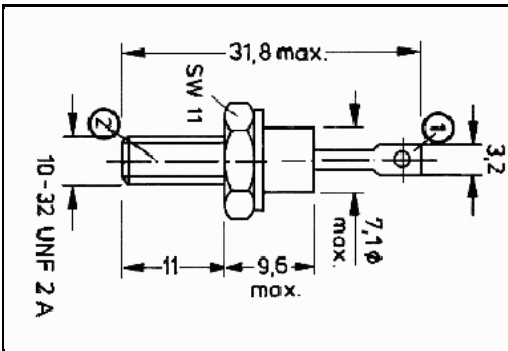
Voltage, Reverse (VR)	200.0	V	NO.	1N3891
Voltage, Reverse Peak (VRM)	200.0	V	TYPE	FAST-RECOVERY
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	12.0	A		
Current Surge Peak (IFM)	20.0	A	CASE	DO-4_UNF
Current, Surge (IFM) at tp = 10 ms	150.0	A		CATHODE TO CASE
Max. Power Dissipation (PT) at TC = °C		W		
Max. Thermal Resistance (Rth J-C)	1.5	°C/W		
Max. Junction Temperature (TJ)	150.0	°C		

PERFORMANCE CHARACTERISTICS at T _c = 25°C, unless otherwise noted					
NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	IR	VR = 200.0 V	-	10.0	µA
2.	IR	VR = 200.0 V, TJ = 125.0 °C	-	3.0	mA
3.	VF	IF = 12.0 A (1)	-	1.4	V
4.	trr	IF = 1.0 A, VR = 30.0 V, diF/dt = 35.0 A/µs	-	200.0	ns
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Notes

(1)pulse-tested tp ≤ 300 µs, duty cycle ≤ 2 %

DIMENSIONS
in mm



Marking

Customer

1N3891

GENERAL PURPOSE