

Technical Data

DIODE



maximum ratings

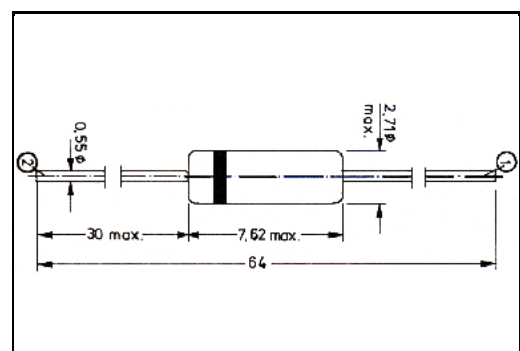
Voltage, Reverse (VR)	200.0	V	NO.	1N839
Voltage, Reverse Peak (VRM)		V	TYPE	PLANARDIODE
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	0.2	A		
Current Surge Peak (IFM)		A	CASE	DO-7
Current, Surge (IFM) at tp = 8.3 ms	4.0	A		
Max. Power Dissipation (PT) at TC = 25 °C	0.5	W		
Max. Thermal Resistance (Rth J-A)	250.0	°C/W		
Max. Junction Temperature (TJ)	150.0	°C		

PERFORMANCE CHARACTERISTICS at $T_c = 25^\circ\text{C}$, unless otherwise noted

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VF	IF = 150.0 mA (1)	-	1.0	V
2.	IR	VR = 175.0 V	-	0.1	μA
3.	IR	VR = 175.0 V, TA = 100° C	-	15.0	μA
4.	trr	IF = 30.0 mA, VR = 35.0 V	-	500.0	ns
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Notes (1)pulse-tested $t_p \leq 300 \mu\text{s}$, duty cycle $\leq 2\%$

DIMENSIONS
in mm



Marking 839
Customer GENERAL PURPOSE