

Technical Data

DIODE



maximum ratings

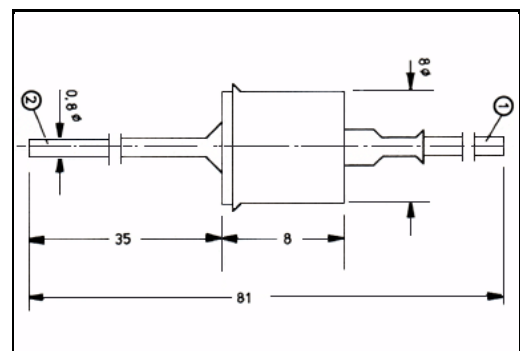
Voltage, Reverse (VR)	1600.0	V	NO.	DS2-16A
Voltage, Reverse Peak (VRM)	1600.0	V	TYPE	RECTIFIER
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	1.2	A		
Current Surge Peak (IF RMS)	7.0	A	CASE	DO-13X_D=8MM
Current, Surge (IFM) at tp = 10 ms	120.0	A		
Max. Power Dissipation (PT) at TC = 45 °C		W		
Max. Thermal Resistance (Rth J-A)	115.0	°C/W		
Max. Junction Temperature (TJ)	180.0	°C		

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

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	IR	VR = 1600.0 V, TJ = 180.0° C	-	2.0	mA
2.	VF	IF = 7.0 A (1)	-	1.25	V
3.	I ² t	TJ = 45.0° C	-	28.0	A ² s
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Notes (1)pulse-tested tp ≤ 300 μs, duty cycle ≤ 2 %

DIMENSIONS
in mm



Marking DS2-16A
Customer GENERAL PURPOSE