

Technical Data

DIODE



maximum ratings

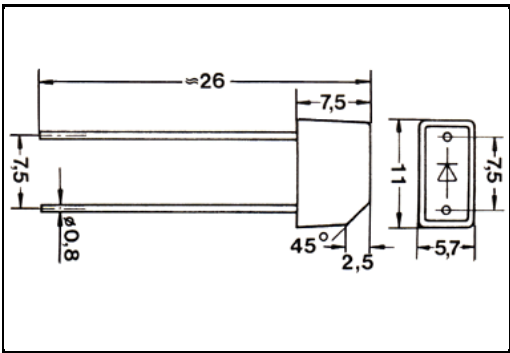
Voltage, Reverse (VR)	1600.0	V	NO.	DSA1-16D
Voltage, Reverse Peak (VRM)	1750.0	V	TYPE	AVALANCHE
Current at VR = 0V (IO)		A		RECTIFIER
Current Average Rectified (IF)	1.3	A		
Current Surge Peak (IFM)	7.0	A	CASE	V-12
Current, Surge (IFM) at tp = 10 ms	110.0	A		
Max. Power Dissipation (PT) at TC = °C		W		
Max. Thermal Resistance (Rth J-A)	80.0	°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 = 1600.0 V, TJ = 150 °C	-	1.0	mA
2.	VF	IF = 7.0 A (1)	-	1.3	V
3.	I²t	tp = 10.0 ms, TJ = 150 °C	-	50.0	A²s
4.	PRSM	tp = 10.0 µs, TJ = 150 °C	-	1.6	kW
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Notes

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

DIMENSIONS
in mm



Marking

Customer

DSA1-16D

GENERAL PURPOSE