

Technical Data

DIODE



maximum ratings

Voltage, Reverse (VR)	18.0	V	NO.	DTVS518
Voltage, Reverse Peak (VRM)	30.5	V	TYPE	SUPPRESSOR
Current at VR = OV (IO)		A		
Current Average Rectified (IF)		A		
Current Surge Peak (IFM)		A	CASE	SOD-64_1.3MM
Current, Surge (IFM) at tp = 8.3 ms	50.0	A		
Max. Power Dissipation (PT) at TC = 25 °C, tp = 1 ms	1500.0	W		
Max. Thermal Resistance (Rth J-A)		°C/W		
Max. Junction Temperature (TJ)	175.0	°C		

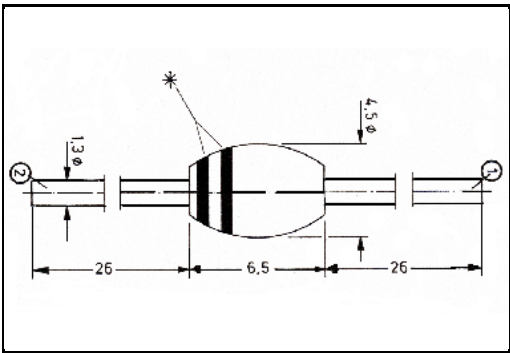
PERFORMANCE CHARACTERISTICS at T_c = 25°C, unless otherwise noted

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	IR	VR = 18.0 V	-	5.0	µA
2.	VBR	IR = 1.0 mA	20.4	-	V
3.	VCL	IPP = 5.0 A (1)	-	26.0	V
4.	VCL	IPP = 16.3 A (1)	-	30.5	V
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Notes

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

DIMENSIONS
in mm



Marking

518

Customer

GENERAL PURPOSE