

Technical Data

DIODE



maximum ratings

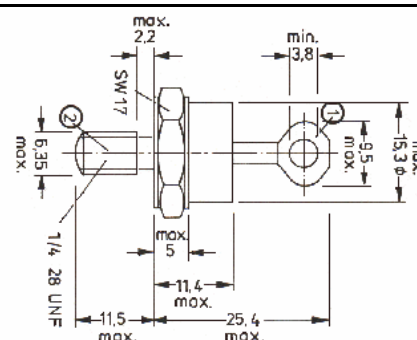
Voltage, Reverse (VR)	600.0	V	NO.	1N1198AR	
Voltage, Reverse Peak (VRM)	600.0	V		TYPE	SI - RECTIFIER
Current at VR = OV (IO)		A			
Current Average Rectified (IF)	20.0	A	CASE		
Current Surge Peak (IFM)		A		DO-5_UNF	
Current, Surge (IFM) at tp = 8.3 ms	350.0	A		ANODE-TO-CASE	
Max. Power Dissipation (PT) at TC = 25 °C		W			
Max. Thermal Resistance (Rth J-C)	1.5	°C/W			
Max. Junction Temperature (TJ)	200.0	°C			

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

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VF	IF = 100.0 A (1)	-	1.5	V
2.	IR	VR = 600.0 V	-	30.0	μA
3.	IR	VR = 600.0 V, TC = 150.0° C	-	3.0	mA
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Notes (1)pulse-tested $t_p \leq 300 \mu s$, duty cycle $\leq 2 \%$

DIMENSIONS
in mm



Marking	1N1198AR
Customer	GENERAL PURPOSE