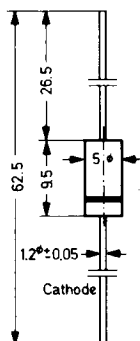


ITT5400 . . . ITT5408

Silicon Rectifiers

Nominal forward current 3 A
 Repetitive peak reverse voltage 100 ... 1300 V



These rectifiers are delivered taped.
 Details see "Taping".

Plastic package ≈ JEDEC DO-13

Weight approx. 1 g
 Dimensions in mm

Absolute Maximum Ratings

	Symbol	Value	Unit	
Repetitive Peak Reverse Voltage	ITT5400	V_{RRM}	100	V
	ITT5401	V_{RRM}	200	V
	ITT5402	V_{RRM}	300	V
	ITT5403	V_{RRM}	400	V
	ITT5404	V_{RRM}	500	V
	ITT5405	V_{RRM}	600	V
	ITT5406	V_{RRM}	800	V
	ITT5407	V_{RRM}	1000	V
ITT5408	V_{RRM}	1300	V	
Nominal Current at Halfe Wave Rectification with Resistive Load at $T_{amb} = 50\text{ °C}$	I_{FAV}	3 ¹⁾	A	
Repetitive Peak Forward Current at $\Theta < 40\text{ °}$, $f > 15\text{ Hz}$, $T_{amb} = 25\text{ °C}$	I_{FRM}	20 ¹⁾	A	
Surge Forward Current Half Cycle 50 Hz, starting from $T_j = 25\text{ °C}$	I_{FSM}	100	A	
Junction Temperature	T_j	150	°C	
Ambient Operating Temperature Range	T_{amb}	-40 to +150	°C	
Storage Temperature Range	T_s	-40 to +150	°C	
1) Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.				

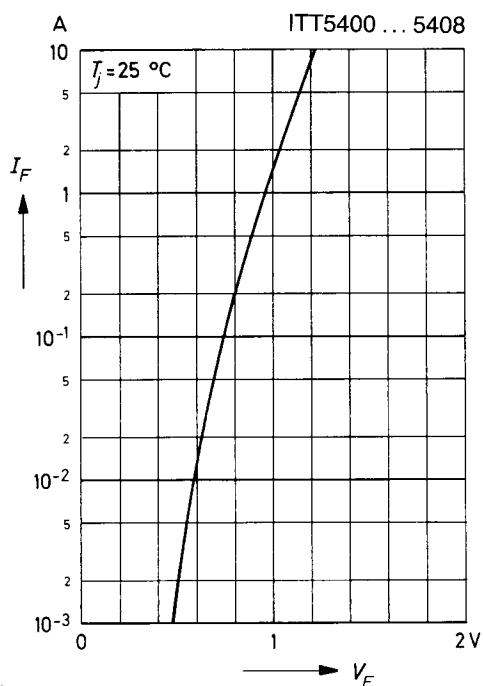
Characteristics at $T_{amb} = 25\text{ }^{\circ}\text{C}$

	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 3\text{ A}$	V_F	–	–	1.1	V
Leakage Current at V_{RRM}	I_R	–	–	20	μA
Thermal Resistance Junction to Ambient Air	R_{thA}	–	–	30 ¹⁾	K/W

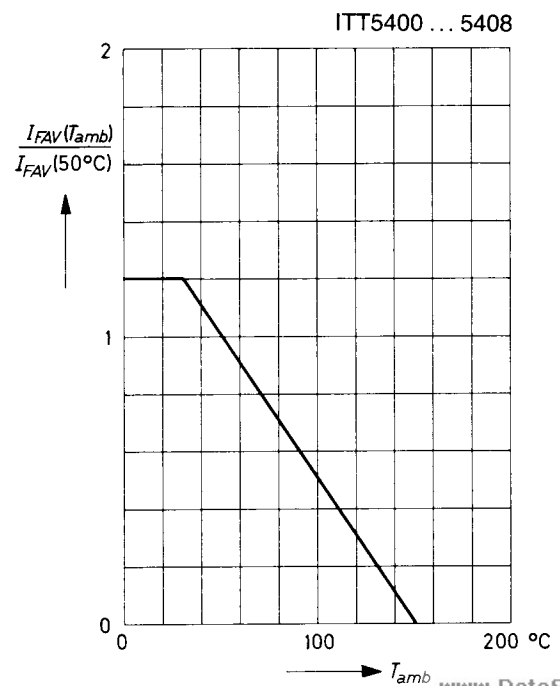
¹⁾ Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.

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Forward characteristic**Admissible rectified current versus ambient temperature**

Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.



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