

POWER DISCRETES

Description

Quick reference data

$$V_R = 2000V$$

$$I_R = 1\mu A$$

$$t_{rr} = 150ns$$

$$V_F = 3.5V \text{ at } I_F = 2A$$

Features

- ◆ Low reverse leakage current
- ◆ Hermetically sealed.
- ◆ Good thermal shock resistance
- ◆ Low forward voltage drop
- ◆ Metallurgically bonded, CAT 1 Bond.

Electrical Specifications

Electrical specifications @ $T_A = 25^\circ C$ unless otherwise specified.

Device Types	V_{rwm}	V_F at $I_O = 2A$	I_O at $T_A = +25^\circ C$	I_O at $T_A = +55^\circ C$	I_O at $T_A = +100^\circ C$	I_{FSM} at 8.3 ms	I_R Reverse Current DC	I_R Reverse Current DC at $+100^\circ C$	t_{rr}	$R_{\theta JL}$ Lead Length = 0.375"
	V	V	A	A	A	A	μA	μA	ns	C/W
2T2KF	2000	3.5V	2	1.75	1.25	80	1	25	150	20

Notes:

Operating Temperature: $-65^\circ C$ to $+150^\circ C$.

Storage Temperature: $-65^\circ C$ to $+175^\circ C$.

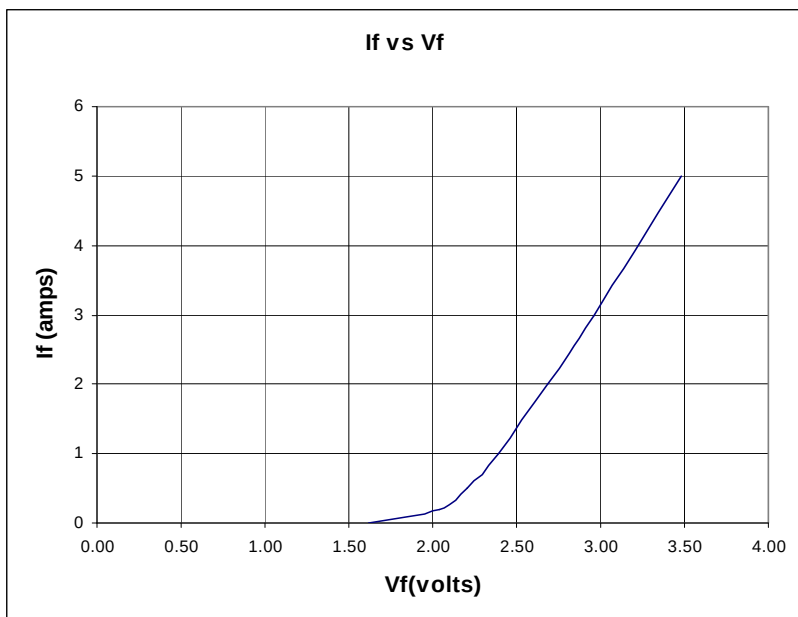


Figure 1. V_F drop as a function of I_F current at 25C

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Order Information

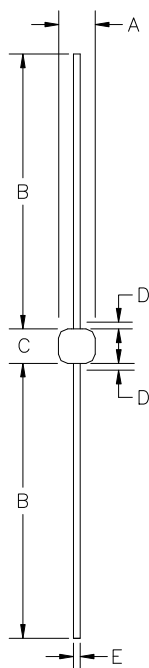
Electrical specifications @ $T_A = 25^\circ\text{C}$ unless otherwise specified.

Part Number	Description
2T2KF	Axial leaded hermetically sealed ⁽¹⁾

Note:

(1) Available in bulk or tape and reel packaging. Please consult factory for quantities.

Outline Drawing



Dimensions					
DIM ^N	Inches		Millimeters		Note
	MIN	MAX	MIN	MAX	
A	0.145	0.18	3.68	4.57	-
B	0.9	1.3	22.86	33.02	-
C	0.185	0.210	4.69	5.33	-
D	-	0.03	-	0.8	1
E	.036	.042	0.92	1.07	-

Note:

(1) Lead diameter uncontrolled over this region.

Contact Information

Semtech Corporation
Power Discretes Products Division
200 Flynn Road, Camarillo, CA 93012
Phone: (805)498-2111 FAX (805)498-3804