



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

BAS116L2

Features

- · Low leakage current applications.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: JV
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)

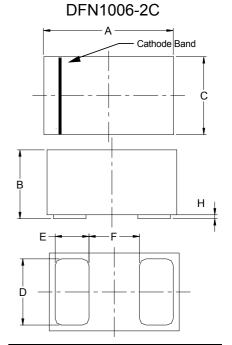
Maximum Ratings

Rating	Symbol	Rating	Unit
Reverse Voltage	V_R	85	V
RMS Reverse Voltage	$V_{R(RMS)}$	60	V
Forward Continuous Current	I _{FM}	215	mA
Repetitive Peak Forward Current	I _{FRM}	500	mA
Non-Repetitive Peak Forward Surge Current @ t =1.0µs @ t =1.0ms @ t =1.0s	I _{FSM}	4.0 1.0 0.5	А
Power Dissipation	P_d	300	mW
Thermal Resistance Junction to Ambient	R_{thJA}	417	°C/W
Junction Temperature	T_{J}	-65 to +150	°C
Storage Temperature	T _{STG}	-65 to +150	C

Electrical Characteristics @ 25°C Unless Otherwise Specified

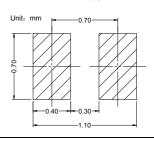
Parameter	Symbol	Min	Тур	Max	Units
Reverse Breakdown Voltage (I _R =100µA)	V _{(BR)R}	85			V
Forward Voltage $(I_F=1mA)$ $(I_F=10mA)$ $(I_F=50mA)$ $(I_F=150mA)$	V _{FM}	 	 	0.90 1.00 1.10 1.25	V
Reverse Leakage Current (VR=75V,) (VR=75V, Tj=150°C)	I _R			5.0 80	nA
Junction Capacitance (V _R =0, f=1.0MHz)	C _j		2.0		pF
Reverse Recovery Time $(I_F = I_R = 10 \text{mA Irr} = 0.1 \text{*} I_R)$	t _{rr}			3	μs

300mW Switching Diode



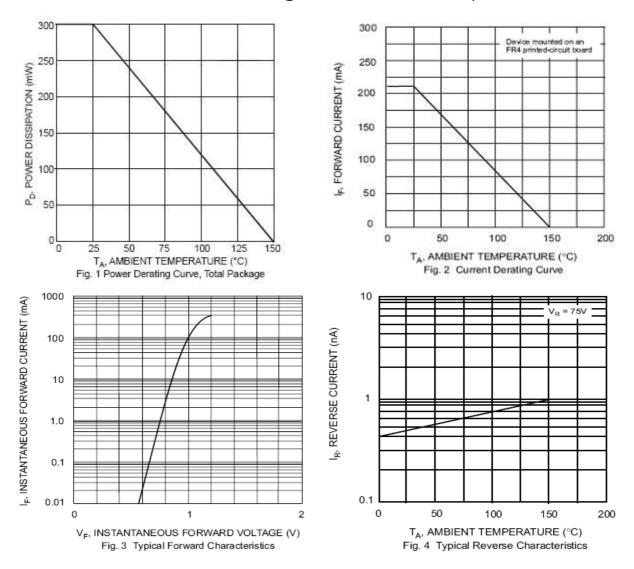
DIMENSIONS						
DIM	INCHES		N	NOTE		
	MIN	MAX	MIN	MAX		
Α	.037	.042	0.95	1.075		
В	.019	.021	0.47	0.53		
С	.022	.027	0.55	0.675		
D	.018	.022	0.45	0.55		
Е	.008	.012	0.20	0.30		
F	.016(Typ.)		0.40(Typ.)			
Н	.000	.002	0.00	0.05		

SUGGESTED SOLDER PAD LAYOUT





TYPICAL CHARACTERISTICS @ Ta=25 $^{\circ}$ C unless otherwise specified





Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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