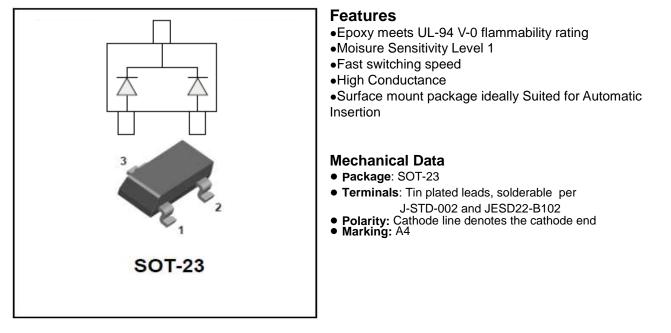
Dual Switching Diode



■Maximum Rating, (Ta=25°C Unless otherwise specified)

Item	Symbol	Unit	Value
Peak Reverse Voltage	V _{RRM}	V	100
Reverse Voltage	V _R	V	75
Forward Continuous Current@f>=50Hz, Per Leg	I _F	mA	150
Non-Repetitive Peak Forward Surge Current@8.3ms, Half sine-wave, Per Leg	I _{FSM}	А	2.0
Power Dissipation	P _D	mW	350
Maximum Thermal Resisance	R _{thJA}	°C /W	357
Storage Temperature	T _{STG}	°C	-55 to +150

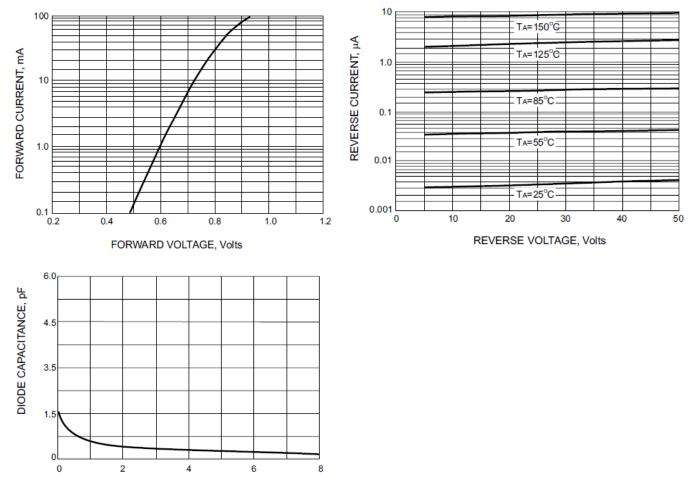
■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAV70	F2	Approximate 0.008	3000	30000	120000	7" reel

■Electrical Characteristics (Ta=25°C Unless otherwise specified, Per Leg)

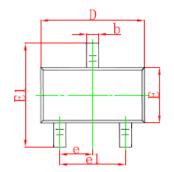
ltem	Symbol	Unit	Conditions	Value
Reverse Voltage	V _R	V	IR=2.5uA	75
Maximum Instantaneous Forward Voltage	V _F	V	I _{FM} =10mA	1
Maximum DC Reverse Current	I _R	uA	V _R =75V	2.5
Typical Junction Capacitance	CJ	pF	f=1.0MHz, V _R =0V	4
Reverse Recovery Time	T _{rr}	ns	I_F =10mA, V_R =6V, R_L =500 Ω , I_{rr} =1mA	4

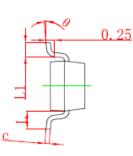
Typical Characteristics (Per Leg)

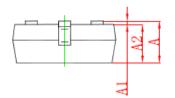


REVERSE VOLTAGE, Volts

■SOT-23 Package Outline Dimensions

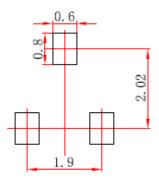






Symbol	Dimensions	In Millimeters	Dimensions In Inches			
	Min	Max	Min	Max		
Α	0.900	1.150	0.035	0.045		
A1	0.000	0.100	0.000	0.004		
A2	0.900	1.050	0.035	0.041		
b	0.300	0.500	0.012	0.020		
С	0.080	0.150	0.003	0.006		
D	2.800	3.000	0.110	0.118		
E	1.200	1.400	0.047	0.055		
E1	2.250	2.550	0.089	0.100		
е	0.950	0.950 TYP		0.037 TYP		
e1	1.800	2.000	0.071	0.079		
L	0.550 REF		0.022 REF			
L1	0.300	0.500	0.012	0.020		
θ	0°	8°	0°	8°		

■SOT-23 Suggested Pad Layout



Note:

1.Controlling dimension: In millimeters. 2.General tolerance: ± 0.05mm.

3. The pad layout is for reference purposes only.

Disclaimer

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