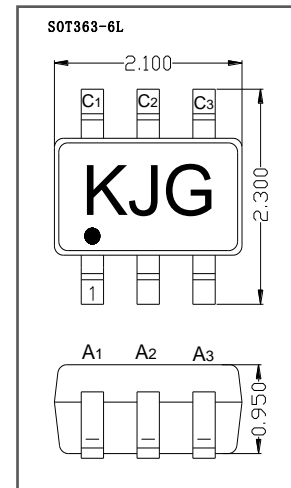
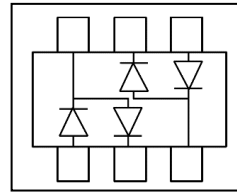


BAV99DW

- ◇Epoxy Meets UL 94 V-0 Flammability Rating
- ◇Lead Free Finish/RohsCompliant
- ◇For Switching ApplicationsEquivalent Circuit
- ◇Rugged And Reliable

Device Marking Code	
BAV99DW	KJG



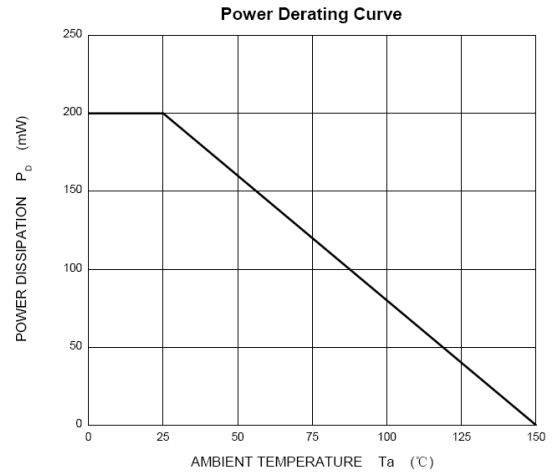
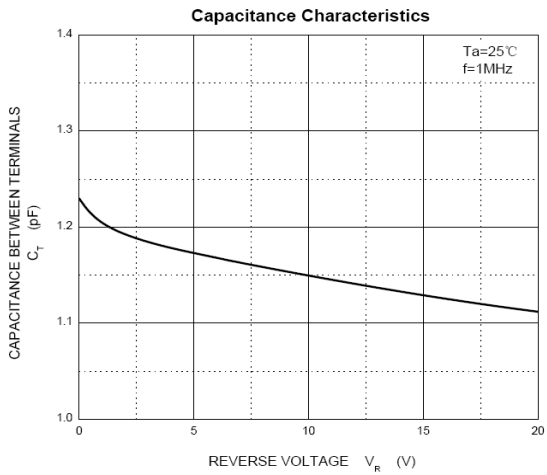
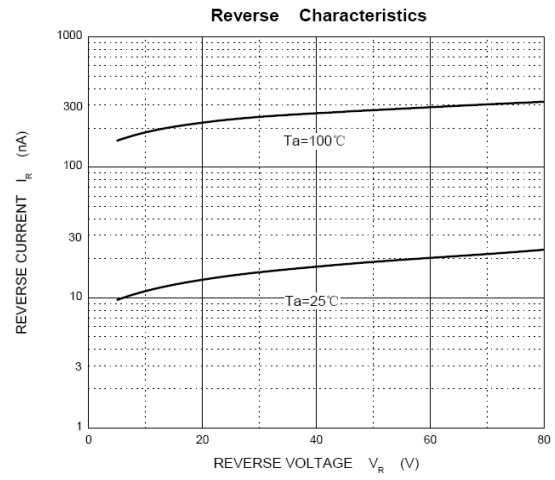
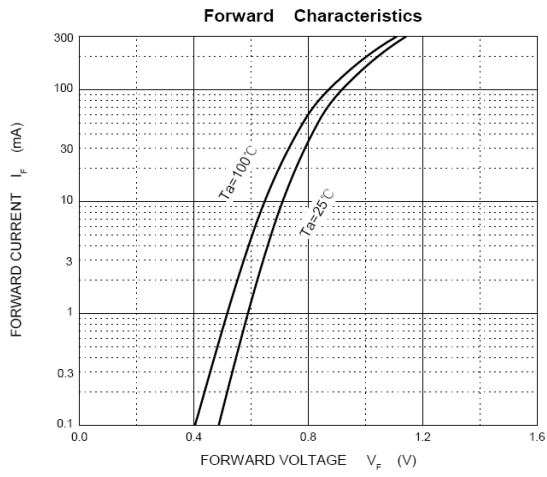
MAXIMUM RATINGS (T_a = 25 °C)

Symbol	Parameter	Value	Units
V _R	Reverse Voltage	75	V
I _o	Continuous Forward Current	150	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @t=8.3ms	2.0	A
P _d	Power Dissipation	200	mW
T _J	Junction Temperature	-55 to +150	°C
T _{STG.}	Storage Temperature	-55 to +150	°C
R _{θJA}	Thermal Resistance From Junction To Ambient	625	°C/W

ELECTRICAL CHARACTERISTICS (T_a = 25 °C)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Units
V _R	Reverse Breakdown Voltage	I _R =100uA	75			V
I _R	Reverse Voltage Leakage Current	V _R =20V			0.025	uA
		V _R =75V			2.5	uA
V _F	Forward Voltage	I _F =1.0mA			0.715	V
		I _F =10.0mA			0.855	V
		I _F =50.0mA			1.00	V
		I _F =150.0mA			1.25	V
C _T	Diode Capacitance	V _R =0.0V, f=1MHz			2.0	pF
t _{rr}	Reverse Recovery Time	I _F =I _R =10mA, I _{rr} =0.1 × I _R , R _L =100Ω			4.0	nS

TYPICAL CHARACTERISTICS



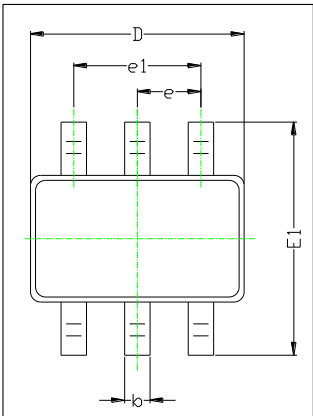
ORDERING INFORMATION

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
BAV99DW	SOT363-6L	Tape & Reel 3000pcs /7" Reel	8mm	4mm	Conductive	

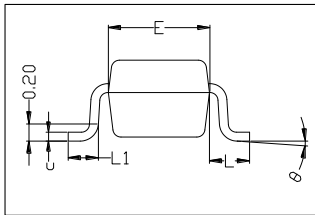
PACKAGE DIMENSIONS

Package outline : SOT363-6L

TOP VIEW

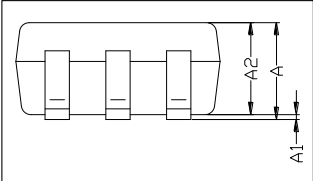


SIDE VIEW

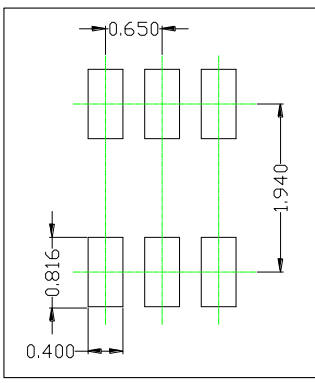


SYMBOL	DIMENSIONS IN MILLIMETER	
	MIN	MAX
A	0.900	1.000
A1	0.000	0.100
A2	0.900	1.000
b	0.150	0.350
c	0.100	0.150
D	2.000	2.200
E	1.150	1.350
E1	2.150	2.400
e	0.650 TYP.	
e1	1.200	1.400
L	0.525 REF.	
L1	0.260	0.460
θ	0°	8°

FRONT VIEW



SOLDING PATTERN



Notice:

- Lead plating: Pb free solder
- Lead thickness includes solder plating
- Lead frame: CAC-5
- Other Tolerance: ±0.05
- Dimensions are exclusive of Burrs, Mold Flash and Tie Bar extrusions
- Unit: mm

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