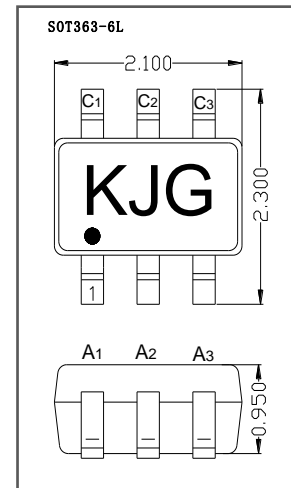
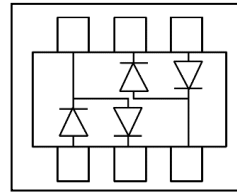


BAV99DW

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

Device Marking Code	
BAV99DW	KJG



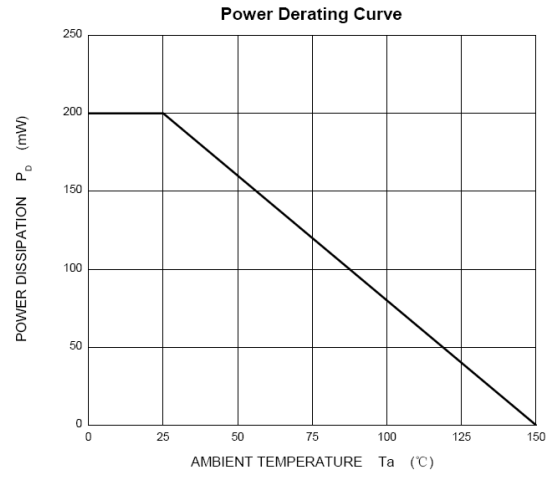
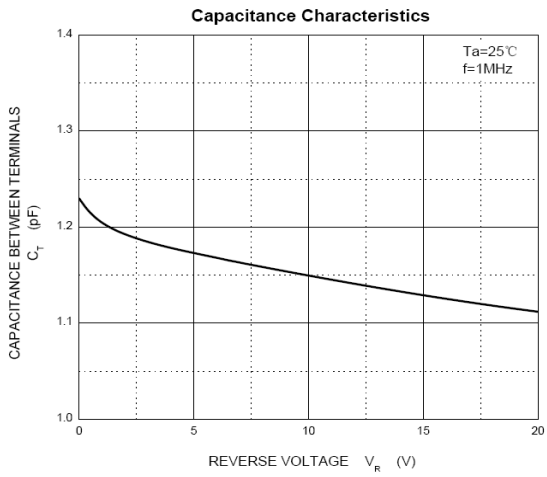
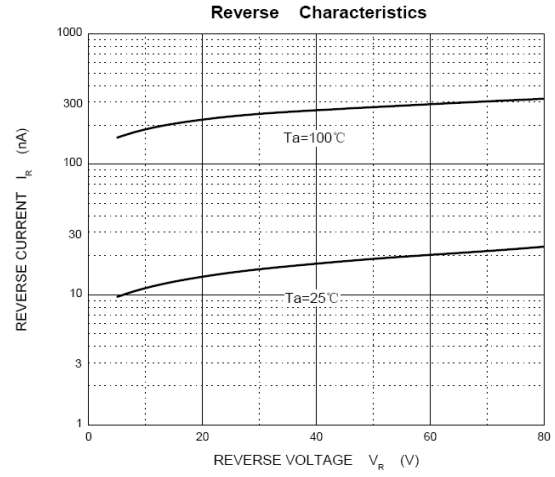
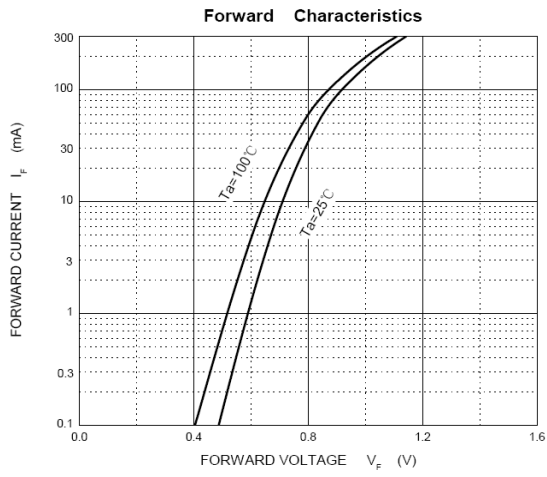
MAXIMUM RATINGS (T_a = 25 °C)

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



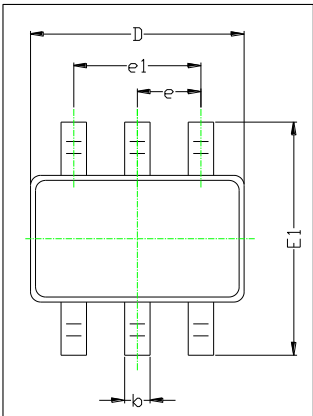
ORDERING INFORMATION

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

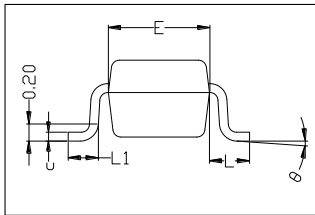
PACKAGE DIMENSIONS

Package outline : SOT363-6L

TOP VIEW

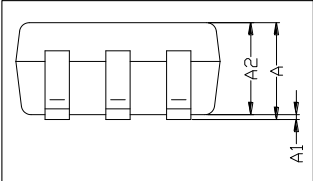


SIDE VIEW

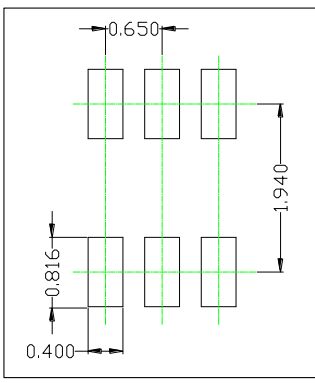


SYMBOL	DIMENSIONS IN MILLIMETER	
	MIN	MAX
A	0.900	1.000
A1	0.000	0.100
A2	0.900	1.000
b	0.150	0.350
c	0.100	0.150
D	2.000	2.200
E	1.150	1.350
E1	2.150	2.400
e	0.650 TYP.	
e1	1.200	1.400
L	0.525 REF.	
L1	0.260	0.460
θ	0°	8°

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

NOTICE

AM'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS COMPONENTS IN ANY LIFE SUPPORT DEVICES OR SYSTEMS.

AM reserve the right to make modifications, enhancements, improvements, corrections or other changes without further notice to any product herein. AM does not assume any liability arising out of the application or use of any product described herein.