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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Switching diode BAV70 / BAW56 / BAV99

*This product is available only outside of Japan.

Application

Ultra high speed switching

Features

- 1) Small surface mounting type. (SSD3)
- 2) High speed. (tr=1.5ns Typ.)
- 3) Four types of circuit configurations are available.

Construction

Silicon epitaxial planar

•External dimensions (Unit : mm)





Diodes

Туре	Peak reverse voltage V _{RM} (V)	DC reverse voltage V _R (V)	Peak forward current IFм (mA)	Mean rectifying current I⊧ (mA)	Surge current (1µs) I _{surge} (A)	Power dissipation (TOTAL) Pd (mW)	Junction temperature Tj (°C)	Storage temperature Tstg (°C)	P / N Type		
BAV70	75	70	450	215	4	300	150	-55 to +150	N		
BAW56	85	70	450	215	4	225	150	-55 to +150	P		
BAV99	85	75	450	215	4	300	150	-55 to +150	N		

• Absolute maximum ratings (Ta=25°C)

•Electrical characteristics (Ta=25°C)

Туре	Forward voltage		Reverse current		Capacitance between terminals			Reverse recovery time		
	VF (V) Max.	Cond.	IR (μA) Max.	Cond.	С⊤ (pF) Мах.	Cond.		trr (ns) Cond.		nd.
		I⊧ (mA)		VR (V)		Vr (V)	f (MHz)	Max.	Vr (V)	l⊧ (mA)
BAV70	1.25	150	2.5	70	1.5	0	1	4	10	10
BAW56	1.25	150	1.0	75	2.0	0	1	4	10	10
BAV99	1.25	150	1.0	75	1.5	0		4	10	10

●Electrical characteristic curves (Ta=25°C)



ROHM

Diodes

BAV70 / BAW56 / BAV99



Notes

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