



High Voltage Diodes

General purpose type

Device type	Maximum rating V _{RRM} kV	I _o * mA	I _{FSM} A	Thermal rating T _c Max. °C	T _{stg} °C	Characteristics (Ta=25°C) V _{FM} Max. Volts	I _{RRM} Max. μA	t _{rr} μsec.	C _j pF	Package	Net mass Grams
ESJA04-02A	2	1 (Ta=25°C)	0.3	120	-40 to +120	12 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	3	Lead-9	0.1
ESJA04-03A	3								2		
ESJA57-03A	3	5 (Ta=25°C)	0.5	120	-40 to +120	12 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	2	Lead-10	0.2
ESJA57-04A	4					15 (If=10mA)					
ESJA58-06A	6	5 (Ta=25°C)	0.5	120	-40 to +120	24 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	2	Lead-11	0.2
ESJA58-08A	8					30 (If=10mA)					
ESJA54-08A	8	5 (Ta=25°C)	0.5	120	-40 to +120	30 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	2	Lead-18	0.3
ESJA59-10A	10	5 (Ta=25°C)	0.5	120	-40 to +120	36 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	1	Lead-17	0.2
ESJA59-12A	12					45 (If=10mA)					
ESJA59-14A	14					51 (If=10mA)					
ESJA52-10A	10	5 (Ta=25°C)	0.5	120	-40 to +120	36 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	1	Lead-12	0.3
ESJA52-12A	12					45 (If=10mA)					
ESJA52-14A	14					51 (If=10mA)					
ESJA53-16A	16	5 (Ta=25°C)	0.5	120	-40 to +120	60 (If=10mA)	2	0.08(If=2mA, Ir=4mA)	1	Lead-13	0.3
ESJA53-18A	18					66 (If=10mA)					
ESJA53-20A	20					75 (If=10mA)					

* Resistive load

High speed type

Device type	Maximum rating V _{RRM} kV	I _o * mA	I _{FSM} A	Thermal rating T _c Max. °C	T _{stg} °C	Characteristics (Ta=25°C) V _{FM} Max. Volts	I _{RRM} Max. μA	t _{rr} μsec.	C _j pF	Package	Net mass Grams
ESJA88-08A	8	5 (Ta=25°C)	0.5	120	-40 to +120	33(If=10mA)	2	0.06(If=2mA, Ir=4mA)	2	Lead-11	0.2
ESJA89-12A	12	5 (Ta=25°C)	0.5	120	-40 to +120	49.5(If=10mA)	2	0.06(If=2mA, Ir=4mA)	1	Lead-17	0.2
ESJA82-12A	12	5 (Ta=25°C)	0.5	120	-40 to +120	49.5(If=10mA)	2	0.06(If=2mA, Ir=4mA)	1	Lead-12	0.3
ESJA83-16A	16	5 (Ta=25°C)	0.5	120	-40 to +120	60 (If=10mA)	2	0.06(If=2mA, Ir=4mA)	1	Lead-13	0.3
ESJA83-20A	20					82.5(If=10mA)					

* Resistive load

Super high speed type

Device type	Maximum rating V _{RRM} kV	I _o * mA	I _{FSM} A	Thermal rating T _c Max. °C	T _{stg} °C	Characteristics (Ta=25°C) V _{FM} Max. Volts	I _{RRM} Max. μA	t _{rr} μsec.	C _j pF	Package	Net mass Grams
ESJA08-08	8	5 (Ta=25°C)	0.5	120	-40 to +120	28 (If=10mA)	2	0.05(If=2mA, Ir=4mA)	1	Lead-11	0.2
ESJA09-12	12	5 (Ta=25°C)	0.5	120	-40 to +120	42 (If=10mA)	2	0.05(If=2mA, Ir=4mA)	1	Lead-17	0.2
ESJA18-08	8	5 (Ta=25°C)	0.5	120	-40 to +120	28 (If=10mA)	2	0.045(If=2mA, Ir=4mA)	1	Lead-11	0.2

* Resistive load

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High current type

Device type	Maximum rating			Thermal rating		Characteristics (Ta=25°C)				Package	Net mass Grams
	V _{RRM} kV	I _o * mA	I _{FSM} A	T _c Max. °C	T _{stg} °C	V _{FM} Max. Volts	I _{RRM} Max. µA	trr µsec.	C _j pF		
ESJC13-09B	9	450(Ta=60°C)	30	130	-40 to +130	8 (If=350mA)	5	-	(10)	Lead-19	3.8
ESJC13-12B	12	350(Ta=60°C)				10 (If=350mA)					
ESJC33-06	6.4	350(Tl=110°C)	15	120	-30 to +120	7 (If=350mA)	10	0.15(If=100mA, IR=100mA)	(10)	Lead-16	2.5
ESJC32-08X	7.5	350(Tl=110°C)	15			13.5(If=350mA)					
ESJC30-08	7.2	300(Tl=110°C)	15			16 (If=300mA)		0.3(If=100mA, IR=100mA)			
ESJC37-05	5	540(Toil=25°C)	15	120	-40 to +120	13 (If=1A)	2	0.3(If=100mA, IR=100mA)	(20)	Lead-15	0.7
ESJC37-08	8	410(Toil=25°C)	10			20 (If=1A)			(15)		0.8
ESJC37-10	10	310(Toil=25°C)	10			25 (If=1A)			(10)		0.8

* Resistive load

High voltage type for automobile

Device type	Maximum rating			Thermal rating		Characteristics (Ta=25°C)			Package	Net mass Grams	
	VRRM	Io *	IFSM	Tc	Tstg	VFM	IRRM	trr			
	kV	mA	A	Max.°C	°C	Max. Volts	Max.µA	µsec.			
ESJA28-02S	2.2	10	1	150	-40 to +150	7 (If=10mA)	5	-	(1)	Lead-11	0.2
ESJA28-03	2.7					8.4(If=10mA)					

* Resistive load