DAM04SMA

FEATURES

Glass passivated junction

.

- Low incremental surge resistance
- Excellent clamping capability and Fast response time to clamping voltage
- Plastic package has Underwriters Laboratory Flammability Classification 94V-0

PACKAGE DATA

JEDEC DO-214AC modeled plastic body
REMARKS

• These products are under development, please contact us for the latest version and information.



ABSOLUTE MAXIMUM RATINGS

Items	Symbols	Units	Ratings		
Peak Pulse Power Dissipation	P _{PPM}	W	400(10/1000µs waveform.See Fig.1, Tj=25℃start)		
Surge(Non-Repetitive) Forward Current	I _{FSM}	А	40(Without PIV, 8.3ms conduction, Tj=40°C start)		
Operating Junction Temperature	Tj	°C	-65 ~ +150		
Storage Temperature	T _{stg}	°C	-65 ~ +175		
Stand-off Voltage	V _{RM}	V	Refer to characteristics column		

CHARACTERISTICS(T_L=25°C)

Type Stand- Voltag V _{RM} (V)	•		Charac		Maximum		
	Stand-off Voltage	3reakdown Voltage V _{BR} (V)		Test Current	Maximun Reverse	Maximum Peak Pulse	Clamping
	V _{RM} (V)	Minimum	Maximum	lz (mA)	Leakage at Vrм I _{rrм} (µA)	Surge Current I _{PPM} (A)	at I _{PPM} V _C (V)
DAM04SMA12	9.7	11.4	12.7	1	1	23.1	17.3
DAM04SMA13	10.5	12.4	14.1	1	1	21.1	19.0
DAM04SMA15	12.1	13.5	15.6	1	1	18.2	22.0
DAM04SMA16	12.9	15.3	17.1	1	1	17.0	23.5
DAM04SMA18	14.5	16.8	19.1	1	1	15.1	26.5
DAM04SMA20	16.2	18.8	21.2	1	1	13.7	29.1
DAM04SMA22	17.8	20.8	23.3	1	1	12.5	31.9
DAM04SMA24	19.4	22.7	25.6	1	1	11.5	34.7
DAM04SMA27	21.8	25.1	28.9	1	1	10.2	39.1
DAM04SMA30	24.3	28.0	32.0	1	1	9.2	43.5
DAM04SMA33	26.8	31.0	35.0	1	1	8.4	47.7
DAM04SMA36	29.1	33.4	38.6	1	1	7.7	52.0
DAM04SMA39	31.6	36.1	41.9	1	1	7.1	56.4
DAM04SMA43	34.8	39.8	46.2	1	1	6.5	61.9
DAM04SMA47	38.0	43.3	50.7	1	1	5.9	67.7
DAM04SMA51	41.3	46.9	55.1	1	1	5.4	74.0
DAM04SMA68	55.1	61.2	74.8	1	1	4.1	98.0
DAM04SMA75	60.7	67.5	82.5	1	1	3.7	107.6
DAM04SMA82	66.4	73.8	90.2	1	1	3.4	117.9



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DAM04SMA

ツェナー特性(代表値) Typical zener characteristics (Vz : 10 – 51V)



逆耐量特性(矩形波パルス非繰り返し) Typical reverse power characteristics (Rectangular pulse non-repetitive)



ツェナー特性(代表値) Typical zener characteristics(Vz:68 – 82V)



過渡熱インピーダンス Transient thermal impedance



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HITACHI POWER SEMICONDUCTORS

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