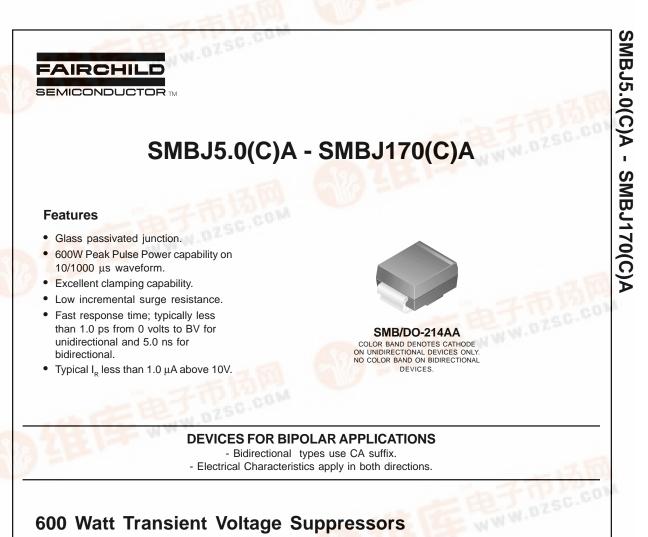
查询DO-214AA供应商





Absolute Maximum Ratings*

T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units	
P _{PPM}	Peak Pulse Power Dissipation on 10/1000 µs waveform	minimum 600	W	
I _{PPM}	Peak Pulse Current on 10/1000 µs waveform	see table	А	
IFSM	Non-repetitive Peak Forward Surge Current superimposed on rated load (JEDEC method) (Note 1)	100	A	
T _{stg}	T _{stg} Storage Temperature Range		0 O	
TJ	Operating Junction Temperature	-55 to +150	O°	

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired. Note 1: Measured on 8.3 ms single half-sine wave or equivalent square wave; Duty cycle = 4 pulses per minute maximum.



Transient Voltage Supressors (continued)

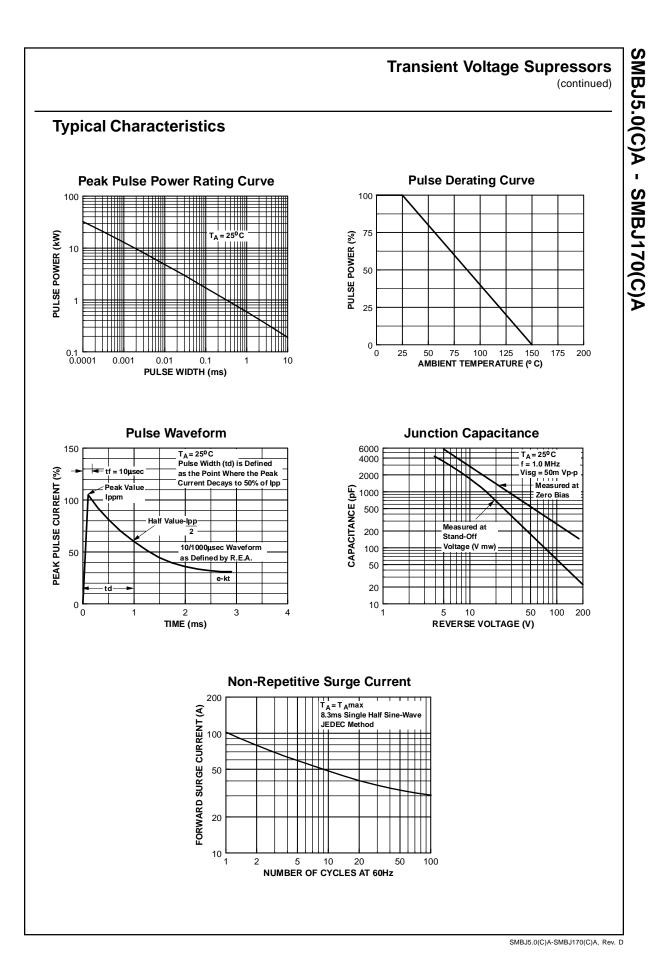
SMBJ5.0(C)A - SMBJ170(C)A

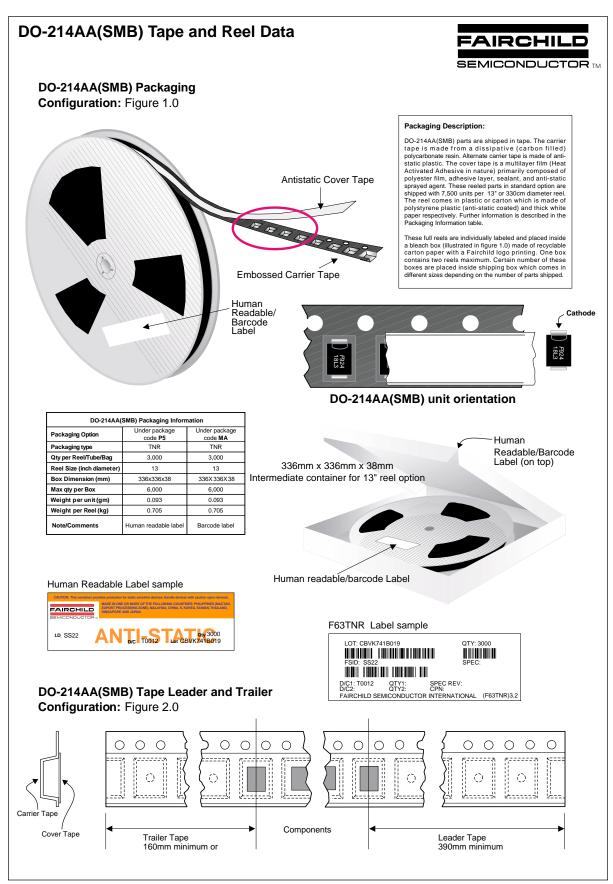
Uni-directional Bi-directional (C)	Part Marking*	Reverse Stand-off Voltage	Breakdow V _B	n Voltage _R (V)	Test Current	Max Clamping Voltage @IPPM	Max Peak Pulse Surge Current	Max Reverse Leakage V _{RVM}
Device		V _{RVM} (V)	min	max	⊩(mA)	V _c (V)	I _{PPM} (A)	I _R (uA)**
SMBJ5.0(C)A	KE	5.0	6.40	7.0	10	9.2	65.2	800
SMBJ6.0(C)A	KG	6.0	6.67	7.37	10	10.3	58.3	800
SMBJ6.5(C)A	KK(AK)	6.5	7.22	7.98	10	11.2	53.6	500
SMBJ7.0(C)A	КМ	7.0	7.78	8.60	10	12.0	50.0	200
SMBJ7.5(C)A	KP(AP)	7.5	8.33	9.21	1	12.9	46.5	100
SMBJ8.0(C)A	KR(AR)	8.0	8.89	9.83	1	13.6	44.1	50
SMBJ8.5(C)A	KT(AT)	8.5	9.44	10.4	1	14.4	41.7	20
SMBJ9.0(C)A	KV(AV)	9.0	10.0	11.1	1	15.4	39.0	10
SMBJ10(C)A	KX(AX)	10	11.1	12.8	1	17.0	35.3	5
SMBJ11(C)A	κz	11	12.2	13.5	1	18.2	33.0	5
SMBJ12(C)A	LE(BE)	12	13.3	14.7	1	19.9	30.2	5
SMBJ13(C)A	LG	13	14.4	15.9	1	21.5	27.9	5
SMBJ14(C)A	LK(BK)	14	15.6	17.2	1	23.2	25.9	5
SMBJ15(C)A	LM(BM)	15	16.7	18.5	1	24.4	24.6	5
SMBJ16(C)A	LP(LM)	16	17.8	19.7	1	26.0	23.1	5
SMBJ17(C)A	(,	17	18.9	20.9	1	27.6	21.7	5
SMBJ18(C)A	LT(BT)	18	20.0	22.1	1	29.2	20.5	5
SMBJ20(C)A	 LV	20	22.2	24.5	1	32.4	18.5	5
SMBJ22(C)A	LX(BX)	22	24.4	26.9	1	35.5	16.9	5
SMBJ24(C)A	LZ(BZ)	24	26.7	29.5	1	38.9	15.4	5
SMBJ26(C)A	ME(CE)	26	28.9	31.9	1	42.1	14.3	5
SMBJ28(C)A	MG	28	31.1	34.4	1	45.4	13.2	5
SMBJ30(C)A	MK(CK)	30	33.3	36.8	1	48.4	12.4	5
SMBJ33(C)A	MM(CM)	33	36.7	40.6	1	53.3	11.3	5
SMBJ36(C)A	MP(CP)	36	40.0	44.2	1	58.1	10.3	5
SMBJ40(C)A	MR(CR)	40	44.4	49.1	1	64.5	9.3	5
SMBJ43(C)A	MT(CT)	43	47.8	52.8	1	69.4	8.6	5
SMBJ45(C)A	MV	45	50.0	55.3	1	72.7	8.3	5
SMBJ48(C)A	MX	48	53.3	58.9	1	77.4	7.8	5
SMBJ51(C)A	MZ	51	56.7	62.7	1	82.4	7.3	5
SMBJ54(C)A	NE	54	60.0	66.3	1	87.1	6.9	5
SMBJ58(C)A	NG	58	64.4	71.2	1	93.6	6.4	5
SMBJ60(C)A	NK	60	66.7	73.7	1	96.8	6.2	5
SMBJ64(C)A	NM	64	71.1	78.6	1	103.0	5.8	5
SMBJ70(C)A	NP	70	77.8	86.0	1	113.0	5.3	5
SMBJ75(C)A	NR	75	83.3	92.1	1	121.0	5.0	5
SMBJ78(C)A	NT	78	86.7	95.8	1	126.0	4.8	5
SMBJ85(C)A	NV	85	94.4	104.0	1	137.0	4.4	5
SMBJ90(C)A	NX	90	100.0	111.0	1	146.0	4.1	5
SMBJ100(C)A	NZ	100	111.0	123.0	1	140.0	3.7	5
SMBJ110(C)A	PE	110	122.0	135.0	1	177.0	3.4	5
SMBJ120(C)A	PG	120	133.0	147.0	1	193.0	3.1	5
SMBJ120(C)A SMBJ130(C)A	PK	120	133.0	159.0	1	209.0	2.9	5
SMBJ150(C)A	PM	150	167.0	185.0	1	209.0	2.5	5
					1	243.0	2.3	5
SMBJ160(C)A	PP	160	178.0	197.0	1			h

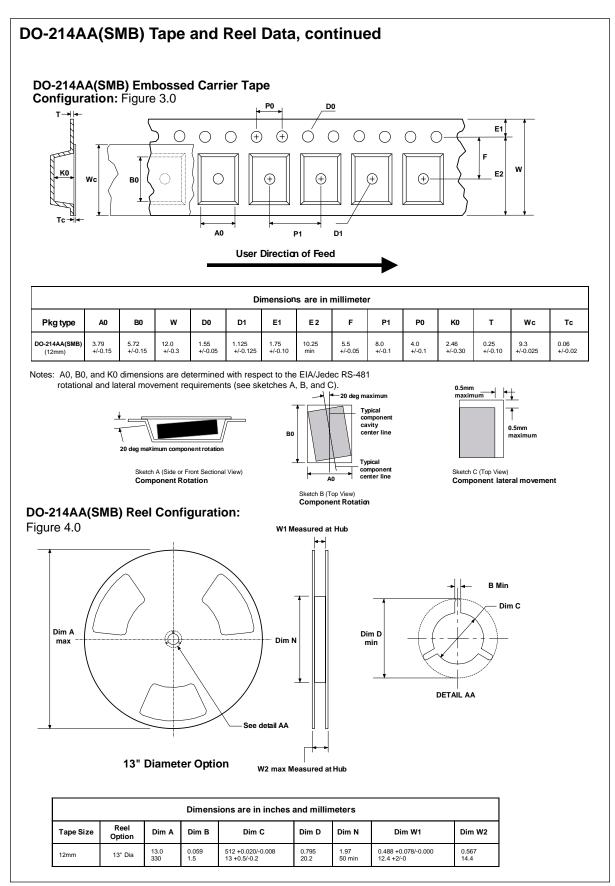
Electrical Characteristics $T_{\Lambda} = 25^{\circ}C$ unless otherwise noted

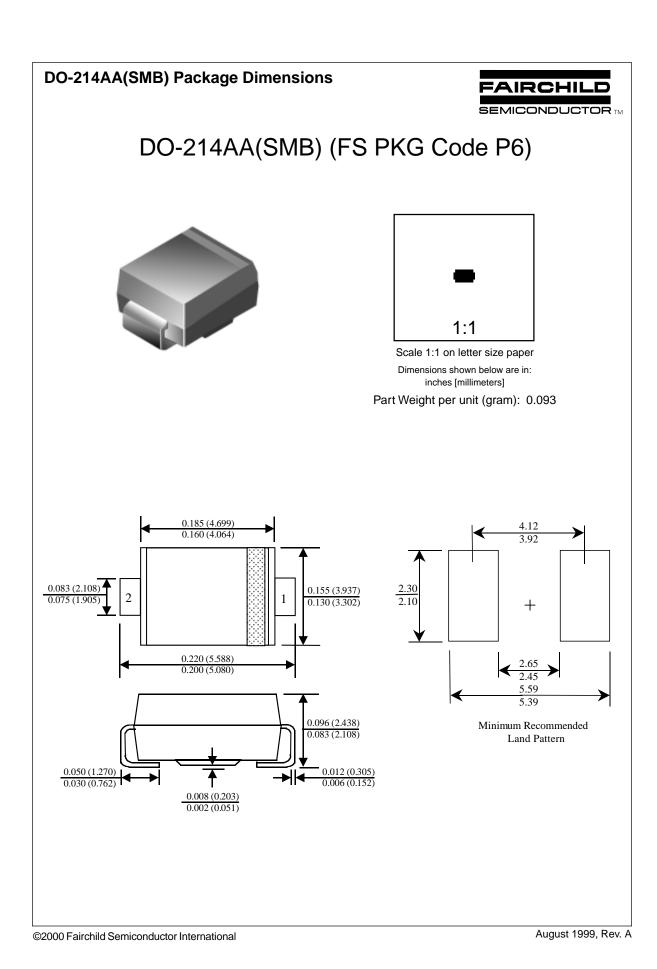
* Color band denotes cathode on unidirectional devices only. No color band on bidirectional devices.

** For bidirectional parts with $\rm V_{\rm \scriptscriptstyle RWM}{<}10V,$ the $\rm I_{\rm \tiny R}$ max limit is doubled.









TRADEMARKS			
5 5	and unregistered trademarks Fail stive list of all such trademarks.	child Semiconductor owns or is au	uthorized to use and is
ACEx™	FAST ®	PACMAN™	SuperSOT™-3
Bottomless™	FASTr™	POP™	SuperSOT™-6
CoolFET™	GlobalOptoisolator™	PowerTrench ®	SuperSOT [™] -8
CROSSVOLT™	GTO™	QFET™	SyncFET™
DenseTrench™	HiSeC™	QS™	TinyLogic™
DOME™	ISOPLANAR™	QT Optoelectronics [™]	UHC™
EcoSPARK™	LittleFET™	Quiet Series [™]	UltraFET [®]
E ² CMOS [™]	MicroFET™	SILENT SWITCHER ®	VCX™
EnSigna™	MICROWIRE™	SMART START™	
FACT™	OPTOLOGIC™	Star* Power™	
FACT Quiet Series™	OPTOPLANAR™	Stealth™	

DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF FAIRCHILD SEMICONDUCTOR CORPORATION. As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, or (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user. 2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.