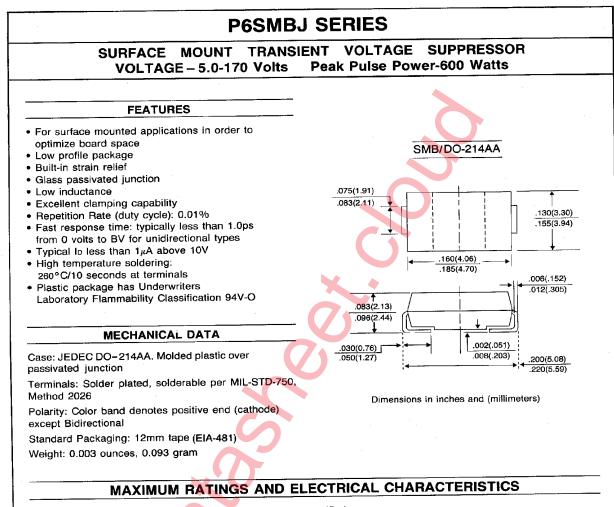
## 





Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	VALUE	UNITS
Peak Pulse Power Dissipation on 10/1000µs waveform (Notes 1, 2, Fig. 1)	Рерм	Minimum 600	Watts
Peak Pulse Current on 10/1000 µs waveform (Note 1, Fig. 3)	IPPM	See Table 1	Amps
Peak forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) (Notes 2,3)	IFSM	100.0	Amps
Operating Junction and Storage Temperature Range	TJ, TSTG	-55 to +150	°C

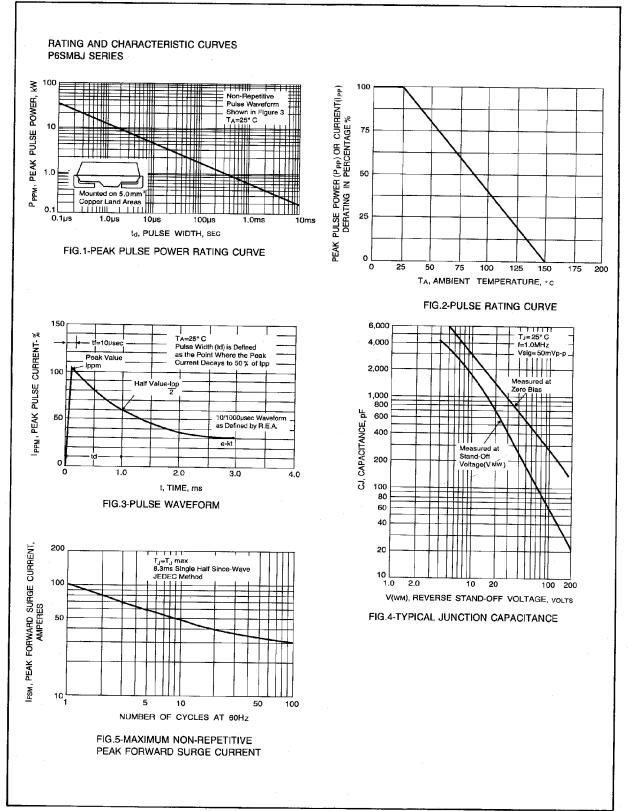
## NOTES:

1. Non-repetitive current pulse, per Fig.3 and derated above  $T_A = 25^{\circ}$ C per Fig. 2.

- 2. Mounted on 5.0mm<sup>2</sup> (.013mm thick) land areas.
- 3. Measured on 8.3ms, single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum.







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## **UNI-DIRECTIONAL 600 Watt Surface Mount TVS**

JNI-DIRE	CTION	AL 600	vvatt	Surra	ce mo	<u>unt iv</u>	3	
UNI-DIRECTIONAL	DEVICE	REVERSE	BREAKDOWN	BREAKDOWN	TEST	MAXIMUM	PEAK	REVERSE
PART	MARKING	STAND-OFF	VOLTAGE	VOLTAGE	CURRENT	CLAMPING	PULSE	LEAKAGE
NUMBER	CODE	VOLTAGE	VBR (V)	VBR (V)	IT	VOLTAGE	CURRENT	@VRWM
ROMBER		VRWM (V)	. MIN. @ Í⊺	MAX. @ IT	(mA)	@lpp Vc (V)	Ipp (A)	IR (uA)
	KD	5.0	6.40	7.55	10	9.6	62.5	800
P6SMBJ5.0	KD KE	5.0	6.40	7.25	10	9.2	65.2	800
P6SMBJ5.0A	KE	6.0	6.67	8.45	10	11.4	52.6	800
P6SMBJ6.0	KG	6.0	6.67	7.67	10	10.3	58.3	800
P6SMBJ6.0A	KH	6.5	7.22	9.14	10	12.3	48.7	500
P6SMBJ6.5	KK	6.5	7.22	8.30	10	11.2	53.6	500
P6SMBJ6.5A	KL	7.0	7.78	9.86	10	13.3	45.1	200
P6SMBJ7.0		7.0	7.78	8.95	10	12.0	50.0	200
P6SMBJ7.0A	KM	7.5	8.33	10.67	1	14.3	42.0	100
P6SMBJ7.5	KN		8.33	9.58	1 1	12.9	46.5	100
P6SMBJ7.5A	KP	7.5	8.89	11.30	1	15.0	40.0	50
P6SMBJ8.0	KQ	8.0	8.89	10.23	· ·	13.6	44.1	50
P6SMBJ8.0A	KR	8.0		11.92		15.9	37.7	10
P6SMBJ8.5	KS	8.5	9.44			14.4	41.7	10
P6SMBJ8.5A	KT	8.5	9.44	10.82 12.60	1 1	16.9	35.5	5
P6SMBJ9.0	ĸu	9.0	10.00	11.50	· ·	15.4	39.0	5
P6SMBJ9.0A	KV	9.0	10.00			18.8	31.9	5
P6SMBJ10	KW	10.0	11.10	14.10	. 1	17.0	35.3	5
P6SMBJ10A	KX	10.0	11.10	12.80	1	20.1	29.9	5
P6SMBJ11	KY	11.0	12.20	15.40 14.00		18.2	33.0	5
P6SMBJ11A	KZ	11.0	12.20			22.0	27.3	5
P6SMBJ12	LD	12.0	13.30	16.90	1		30.2	5
P6SMBJ12A	LE	12.0	13.30	15.30	1	19.9	25.2	5
P6SMBJ13	LF	13.0	14.40	18.20	1	23.8	27.9	5
P6SMBJ13A	LG	13.0	14.40	16.50	1	21.5		5
P6SMBJ14	Üн	14.0	15.60	19.80		25.8	23.3	
P6SMBJ14A	LK	14.0	15.60	17.90		23.2	25.8 22.3	5
P6SMBJ15	LL	15.0	16.70	21.10	1	26.9	22.3	5
P6SMBJ15A	LM	15.0	16.70	19.20	1	24.4		
P6SMBJ16	LN	16.0	17.80	22.60	1	28.8	20.8	5
P6SMBJ16A	LP	16.0	17.80	20.50	1	26.0	23.1	5
P6SMBJ17	LQ	17.0	18.90	23.90	1	30.5	19.7	5
P6SMBJ17A	LR .	17.0	18.90	21.70	1	27.6	21.7	5
P6SMBJ18	LS	18.0	20.00	25.30	1.	32.2	18.6	5
P6SMBJ18A	LT	18.0	20.00	23.30	1	29.2	20.5	5
P6SMBJ20	LU	20.0	22.20	28.10	1	35.8	16.7	5
P6SMBJ20A	LV	20.0	22.20	25.50	1	32.4	18.5	5
P6SMBJ22	LW	22.0	24.40	30.90	1	39.4	15.2	-5
P6SMBJ22A	LX	22.0	24.40	28.00	1 1	35.5	16.9	5
P6SMBJ24	LŶ '	24.0	26.70	33.80	1	43.0	14.0	5
P6SMBJ24A	LZ	24.0	26,70	30.70	1	38.9	15.4	5
P6SMBJ26	MD	26.0	28.90	36.60	1	46.6	12.4	5
P6SMBJ26 P6SMBJ26A	ME	26.0	28.90	33.20	1 1	42.1	14.2	5.
P6SMBJ26A P6SMBJ28	MF	28.0	31.10	39.40	1 1	50.0	12.0	5
P6SMBJ28A	MG	28.0	31.10	35.80	1	45.4	13.2	5
	MH	30.0	33.30	42.20	1	53.5	11.2	5
P6SMBJ30	MK	30.0	33.30	38.30	i	48.4	12.4	5
P6SMBJ30A	ML	33.0	36.70	46.50	i i	59.0	10.2	5
P6SMBJ33		33.0	36.70	42.20	i	53.3	11.3	5
P6SMBJ33A	MM		40.00	50.70	1	64.3	9.3	5
P6SMBJ36	MN	36.0	40.00	46.00	i i	58.1	10.3	5
P6SMBJ36A	MP	36.0	40.00	56.30	1	71.4	8.4	5
P6SMBJ40	MQ	40.0	44.40	51.10	1	64.5	9.3	5
P6SMBJ40A	MR	40.0		60.50	1	76.7	7.8	5
P6SMBJ43	MS	43.0	47.80			69.4	8.6	5
P6SMBJ43A	MT	43.0	47.80	54.90	1	80.3	7.5	5
P6SMBJ45	MU	45.0	50.00	63.30		72.7	8.3	5
P6SMBJ45A	MV	45.0	50.00	57.50	1		7.0	5
P6SMBJ48	MW	48.0	53.30	67.50	1	85.5	7.7	5
P6SMBJ48A	MX	48.0	53.30	61.30	1	77.4	6.6	5
P6SMBJ51	MY	51.0	56.70	71.80	1	91.1 82.4	7.3	5
P6SMBJ51A	MZ	51.0	56.70	65.20	1			5
P6SMBJ54	ND	54.0	60.00	76.00	1	96.3	6.2	5
P6SMBJ54A	NE	54.0	60.00	69.00	1	87.1	6.9	5
P6SMBJ58	NF	58.0	64.40	81.60	1	103.0	5.8	5
P6SMBJ58A	NG	58.0	64.40	74.10	1	93.6	6.4	
P6SMBJ60	NH	.60.0	66.70	84.50	1	107.0	5.6	5
P6SMBJ60A	NK	60.0	66.70	76.70	1	96.8	6.2	5
P6SMBJ64	NL	64.0	71.10	90.10	1	114.0	5.3	5
P6SMBJ64A	NM	64.0	71.10	81.80	1	103.0	5.8	
P6SMBJ70	NN	70.0	77.80	98.60	1	125.0	4.8	5
P6SMBJ70A	NP	70.0	77.80	89.50	1	113.0	5.3	5
P6SMBJ75	NQ	75.0	83.30	105.70	1	134.0	4.5	5
P6SMBJ75A	NR	75.0	83.30	95.80	1	121.0	4.9	5
P6SMBJ78	NS	78.0	86.70	109.80	1	139.0	4.3	5
P6SMBJ78A	NT	78.0	86.70	99.70	1	126.0	4.7	5
P6SMBJ85	NU	85.0	94.40	119.20	1	151.0	3.9	5
P6SMBJ85A	NV	85.0	94.40	108.20	1.	137.0	4.4	5
P6SMBJ90	NW	90.0	100.00	126.50	1	160.0	3.8	5
P6SMBJ90A	NX	90.0	100.00	115.50	1	146.0	4.1	5
P6SMBJ100	NY	100.0	111,00	141.00	j - 1	179.0	3.4	5
P6SMBJ100A	NZ	100.0	111.00	128.00	1	162.0	3.7	5
P6SMBJ110	PD	110.0	122.00	154.50	1	196.0	3.0	5
P6SMBJ110A	PE	110.0	122.00	140.50	1 1	177.0	3.4	5
P6SMBJ120	PF	120.0	133.00	169.00	1	214.0	2.8	5
P6SMBJ120	PG	120.0	133.00	153.00	1	193.0	3.1	5
P6SMBJ120A P6SMBJ130	PH	130.0	144.00	182.50	1	231.0	2.6	5
P6SMBJ130 P6SMBJ130A	PH PK	130.0	144.00	165.50	i -	209.0	2.9	5
	PL PL	150.0	167.00	211.50	1	268.0	2.2	5
P6SMBJ150	PL	150.0	167.00	192.50	i	243.0	2.5	5
P6SMBJ150A				226.00	1	287.0	2.1	5
P6SMBJ160	PN	160.0	178.00			259.0	2.3	5
P6SMBJ160A	PP	160.0	178.00 189.00	205.00	1	304.0	2.0	5
P6SMBJ170 P6SMBJ170A	PQ PR	170.0 170.0	189.00	217.50	1 1	275.0	2.2	5

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## **BI-DIRECTIONAL 600 Watt Surface Mount TVS**

			vvall s	Jullace		IL IVS		
BI-DIRECTIONAL	DEVICE	REVERSE	BREAKDOWN	BREAKDOWN	TEST	MAXIMUM	PEAK	REVERSE
PART	MARKING	STAND-OFF	VOLTAGE	VOLTAGE	CURRENT	CLAMPING	PULSE	LEAKAGE
NUMBER	CODE	VOLTAGE						
NOMBER	CODE		VBR (V)	VBR (V)	IT	VOLTAGE	CURRENT	@VRWM
		VRWM (V)	MIN. @ IT	MAX. @ IT	(mA)	@ipp Vc (V)	lpp (A)	IR (uA)
P6SMBJ5.0C	AD	5.0	6.40	7.55	10	9.6	62.5	1600
P6SMBJ5.0CA	AE	5.0	6.40	7.25	10	9.2	65.2	1600
P6SMBJ6.0C	AF	6.0	6.67	8.45	10			
						11.4	52.6	1600
P6SMBJ6.0CA	AG	6.0	6.67	7.67	. 10	10.3	58.3	1600
P6SMBJ6.5C	AH	6.5	7.22	9,14	10	12.3	48.7	1000
P6SMBJ6.5CA	AK	6.5	7.22	8.30	10	11.2	53.6	1000
P6SMBJ7.0C	AL	7.0	7.78					
				9.86	10	13.3	45.1	400
P6SMBJ7.0CA	AM	7.0	7.78	8.95	10	12.0	50.0	400
P6SMBJ7.5C	AN	7.5	8.33	10.67	1	14.3	42.0	200
P6SMBJ7.5CA	AP	7.5						
			8.33	9.58	1	12.9	46.5	200
P6SMBJ8.0C	AQ	8.0	8.69	11.30	. 1	15.0	40.0	100
P6SMBJ8.0CA	AR	8.0	8.89	10.23	1	13.6	44.1	100
P6SMBJ8.5C	AS	8.5	9.44	11.92	1	15.9	37.7	20
P6SMBJ8.5CA	AT	8.5	9.44					
				10.82	1	14.4	41.7	20
P6SMBJ9.0C	AU	9.0	10.00	12.60	1	16.9	35.5	10
P6SMBJ9.0CA	AV	9.0	10.00	11.50	1	15.4	39.0	10
P6SMBJ10C	AW	10.0	11.10	14.10	1	18.8		
							31.9	5
P6SMBJ10CA	AX	10.0	11.10	12.80	1	17.0	35.3	5
P6SMBJ11C	AY	11.0	12.20	15.40	. 1	20.1	29.9	5
P6SMBJ11CA	AZ	11.0	12.20	14.00	1	18.2	33.0	. 5
P6SMBJ12C	BD				· · · · · · · · · · · · · · · · · · ·			
		12.0	13.30	16.90	1 · · ·	22.0	27.3	5
P6SMBJ12CA	BE	12.0	13.30	15.30	1	19.9	30.2	5
P6SMBJ13C	BF	13.0	14.40	18.20	1	23.8	25.2	5
P6SMBJ13CA	BG	13.0	14.40	16.50	1			
						21.5	27.9	5
P6SMBJ14C	BH	14.0	15.60	19.80	1	25.8	23.3	5
P6SMBJ14CA	BK	14.0	15.60	17.90	1	23.2	25.8	5
P6SMBJ15C	BL	15.0	16.70	21.10	1	26.9	22.3	5
P6SMBJ15CA	BM	15.0	16.70	19.20	i	24.4	24.0	5
					-			
P6SMBJ16C	BN	16.0	17.80	22.60	1	28.8	20.8	5
P6SMBJ16CA	BP	16.0	17.80	20.50	1	26.0	23.1	5
P6SMBJ17C	BQ	17.0	18.90	23.90	1	30.5	19.7	5
P6SMBJ17CA	BR	17.0	18.90	21.70	1			
						27.6	21.7	5
P6SMBJ18C	BS	18.0	20.00	25.30	1	32.2	18.6	5
P6SMBJ18CA	BT	18.0	20.00	23.30	1	29.2	20.5	5
P6SMBJ20C	BU	20.0	22.20	28.10	· •	35.8	16.7	5
	вv							
P6SMBJ20CA		20.0	22.20	25.50	1	. 32.4	18.5	5
P6SMBJ22C	BW	22.0	24,40	30.90	1	39.4	15.2	5
P6SMBJ22CA	BX	22.0	24.40	28.00	-	35.5	16.9	5
P6SMBJ24C	BY	24.0	26.70	33.80	1	43.0	14.0	5
P6SMBJ24CA	BZ	24.0	26.70	30.70	1	38.9	15.4	5
P6SMBJ26C	CD	26.0	28.90	36.60	1	46.6	12.4	5
P6SMBJ26CA	ČE	26.0	28.90	33.20		42.1	14.2	
					,			5
P6SMBJ28C	CF	28.0	31.10	39.40	1	50.0	12.0	5
P6SMBJ28CA	CG	28.0	31.10	35.80	1	45.4	13.2	5
P6SMBJ30C	CH	30.0	33.30	42.20	1	53.5	11.2	5
P6SMBJ30CA	CK	30.0	33.30	38.30	i	48.4	12.4	
								5
P6SMBJ33C	CL	33.0	36.70	46.50	1	59.0	10.2	5
P6SMBJ33CA	CM	33.0	36.70	42.20	1	53.3	11.3	. 5
P6SMBJ36C	CN	36.0	40.00	50.70	1	64.3	9.3	5
P6SMBJ36CA	CP							
		36.0	40.00	46.00	1	58.1	10.3	5
P6SMBJ40C	CQ	40.0	44.40	56.30	1	71.4	8.4	5
P6SMBJ40CA	CR	40.0	44.40	51.10	1	64.5	9.3	5
P6SMBJ43C	CS	43.0	47.80	60.50	1	76.7	7.8	
								5
P6SMBJ43CA	СТ	43.0	47.80	54.90	1	69.4	8.6	5
P6SMBJ45C	CU	45.0	50.00	63.30	1	80.3	7.5	5
P6SMBJ45CA	CV	45.0	50.00	57.50	1	72.7	8.3	5
P6SMBJ48C	CW	48.0			1			
			53.30	67.50		85.5	7.0	5
P6SMBJ48CA	CX	48.0	53.30	61.30	1	77.4	7.7	5
P6SMBJ51C	CY	51.0	56.70	71.80	1	91.1	6.6	5
P6SMBJ51CA	cz	51.0	56.70	65.20	i	82.4	7.3	5
P6SMBJ54C	DD							
		54.0	60.00	76.00	1	96.3	6.2	5
P6SMBJ54CA	DE	54.0	60.00	69.00	1	87.1	6.9	5
P6SMBJ58C	DF	58.0	64.40	81.60	1	103.0	5.8	5
P6SMBJ58CA	DG	58.0	64.40	74.10	1	93.6	6.4	5
P6SMBJ60C	DH	60.0	66.70					
				84.50	1	107.0	5.6	5
P6SMBJ60CA	DK.	60.0	66.70	76.70	1	96.8	6.2	5
P6SMBJ64C	DL	64.0	71.10	90.10	1	114.0	5.3	5
P6SMBJ64CA	DM	64.0	71.10	81.80	i	103.0	5.8	5
P6SMBJ70C								
	DN	70.0	77.80	98.60	1	125.0	4.8	5
P6SMBJ70CA	DP	70.0	77.80	89.50	1	113.0	- 5.3	5
P6SMBJ75C	DQ	75.0	83.30	105.70	1	134.0	4.5	5
P6SMBJ75CA	DR	75.0	83.30	95.80	1	121.0	4.9	5
P6SMBJ78C								
	DS	78.0	86.70	109.80	1	139.0	4.3	5
	DT	78.0	86.70	99.70	1	126.0	4.7	5
P6SMBJ78CA		85.0	94.40	119.20	1	151.0	3.9	5
P6SMBJ78CA P6SMBJ85C	DU		94.40	108.20	1	137.0	4.4	5
P6SMBJ78CA P6SMBJ85C		85.0		126.50				
P6SMBJ78CA P6SMBJ85C P6SMBJ85CA	DV	85.0	100.00				3.8	5
P6SMBJ78CA P6SMBJ85C P6SMBJ85CA P6SMBJ90C	DV DW	90.0	100.00			160.0		
P6SMBJ78CA P6SMBJ85C P6SMBJ85CA P6SMBJ90C P6SMBJ90CA		90.0 90.0	100.00	115.50	· 1	160.0 146.0	4.1	5
P6SMBJ78CA P6SMBJ85C P6SMBJ85CA P6SMBJ90C P6SMBJ90CA P6SMBJ100C	DV DW	90.0	100.00	115.50	- i	146.0	4.1	
P6SMBJ78CA P6SMBJ85C P6SMBJ85CA P6SMBJ90C P6SMBJ90CA P6SMBJ100C	DV DW DX DY	90.0 90.0 100.0	100.00 111.00	115.50 141.00	1	146.0 179.0	4.1 3.4	5
P6SMBJ78CA P6SMBJ85CA P6SMBJ90C P6SMBJ90CA P6SMBJ100C P6SMBJ100CA	DV DW DX DY DZ	90.0 90.0 100.0 100.0	100.00 111.00 111.00	115.50 141.00 128.00	1 1 1	146.0 179.0 162.0	4.1 3.4 3.7	5 5
P6SMBJ78CA P6SMBJ85CA P6SMBJ85CA P6SMBJ90C P6SMBJ90CA P6SMBJ100C P6SMBJ100CA P6SMBJ110C	DV DW DX DY DZ ED	90.0 90.0 100.0 100.0 110.0	100.00 111.00 111.00 122.00	115.50 141.00 128.00 154.50	1 1 1 1	146.0 179.0 162.0 196.0	4.1 3.4 3.7 3.0	5 5 5
P6SMBJ78CA P6SMBJ85CA P6SMBJ90C P6SMBJ90CA P6SMBJ100C P6SMBJ100CA	DV DW DX DY DZ	90.0 90.0 100.0 100.0	100.00 111.00 111.00	115.50 141.00 128.00	1 1 1	146.0 179.0 162.0 196.0	4.1 3.4 3.7	5 5 5
P6SMBJ78CA P6SMBJ85CA P6SMBJ90CA P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110CA P6SMBJ110CA	DV DW DX DY DZ ED EE	90.0 90.0 100.0 100.0 110.0 110.0	100.00 111.00 111.00 122.00 122.00	115.50 141.00 128.00 154.50 140.50	1 1 1 1 1	146.0 179.0 162.0 196.0 177.0	4.1 3.4 3.7 3.0 3.4	5 5 5 5
P6SMBJ78CA P6SMBJ8SC P6SMBJ90C P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110C P6SMBJ110CA P6SMBJ110CA P6SMBJ120C	DV DW DY DZ ED EE EF	90.0 90.0 100.0 100.0 110.0 110.0 120.0	100.00 111.00 111.00 122.00 122.00 133.00	115.50 141.00 128.00 154.50 140.50 169.00	1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0	4.1 3.4 3.7 3.0 3.4 2.8	5 5 5 5 5
P6SMBJ78CA P6SMBJ85C P6SMBJ90CA P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110C P6SMBJ110CA P6SMBJ120CA P6SMBJ120CA	DV DW DY DZ ED EE EF EG	90.0 90.0 100.0 100.0 110.0 110.0 120.0 120.0	100.00 111.00 111.00 122.00 122.00 133.00 133.00	115.50 141.00 128.00 154.50 140.50 169.00 153.00	1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 193.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1	5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ85CA P6SMBJ90CA P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110CA P6SMBJ110CA	DV DW DY DZ ED EE EF	90.0 90.0 100.0 100.0 110.0 110.0 120.0	100.00 111.00 111.00 122.00 122.00 133.00	115.50 141.00 128.00 154.50 140.50 169.00	1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 193.0	4.1 3.4 3.7 3.0 3.4 2.8	5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ8SC P6SMBJ90CA P6SMBJ90CA P6SMBJ90CA P6SMBJ100CA P6SMBJ10CC P6SMBJ110CA P6SMBJ120C P6SMBJ120CA P6SMBJ120CA	DV DX DY DZ ED EE EF EG EH	90.0 90.0 100.0 100.0 110.0 110.0 120.0 120.0 130.0	100.00 111.00 111.00 122.00 122.00 133.00 133.00 144.00	115.50 141.00 128.00 154.50 140.50 169.00 153.00 182.50	1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 193.0 231.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1 2.6	5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ85C P6SMBJ85CA P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110C P6SMBJ110CA P6SMBJ120CA P6SMBJ120CA P6SMBJ120CA P6SMBJ130CA	DV DW DX DY DZ ED EE EF EG EH EK	90.0 90.0 100.0 100.0 110.0 110.0 120.0 120.0 130.0	100.00 111.00 111.00 122.00 133.00 133.00 144.00 144.00	115.50 141.00 128.00 154.50 140.50 169.00 153.00 182.50 165.50	1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 193.0 231.0 209.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1 2.6 2.9	5 5 5 5 5 5 5 5 5 5 5
PesmBJ78CA PesmBJ85C PesmBJ90C PesmBJ90CA PesmBJ90CA PesmBJ100CA PesmBJ10CA PesmBJ10CA PesmBJ120CA PesmBJ120CA PesmBJ130C PesmBJ130CC PesmBJ130CA PesmBJ130CA	DV DW DX DY ED EF EG EH EK EL	90.0 90.0 100.0 100.0 110.0 120.0 120.0 120.0 130.0 130.0 150.0	100.00 111.00 111.00 122.00 133.00 133.00 144.00 144.00 167.00	115.50 141.00 128.00 154.50 169.00 153.00 182.50 165.50 211.50	1 1 1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 214.0 193.0 231.0 209.0 268.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1 2.6 2.9 2.2	5 5 5 5 5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ8SC P6SMBJ90C P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ100CA P6SMBJ120C P6SMBJ120C P6SMBJ120CA P6SMBJ130CA P6SMBJ130CA P6SMBJ130CA P6SMBJ150CA	DV DW DX DZ ED EF EF EG EH EK EL EL EM	90.0 90.0 100.0 100.0 110.0 110.0 120.0 120.0 130.0	100.00 111.00 111.00 122.00 133.00 133.00 144.00 144.00	115.50 141.00 128.00 154.50 140.50 169.00 153.00 182.50 165.50	1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 193.0 231.0 209.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1 2.6 2.9	5 5 5 5 5 5 5 5 5 5 5
PesmBJ78CA PesmBJ85C PesmBJ90C PesmBJ90CA PesmBJ90CA PesmBJ100CA PesmBJ10CA PesmBJ10CA PesmBJ120CA PesmBJ120CA PesmBJ130C PesmBJ130CC PesmBJ130CA PesmBJ130CA	DV DW DX DY ED EF EG EH EK EL	90.0 90.0 100.0 100.0 110.0 120.0 120.0 120.0 130.0 130.0 150.0	100.00 111.00 111.00 122.00 133.00 133.00 144.00 144.00 167.00	115.50 141.00 128.00 154.50 169.00 153.00 182.50 182.50 165.50 211.50 192.50	1 1 1 1 1 1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 193.0 231.0 209.0 268.0 243.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1 2.6 2.9 2.9 2.2 2.5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ85CA P6SMBJ90CA P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110C P6SMBJ110C P6SMBJ120CA P6SMBJ120CA P6SMBJ130CA P6SMBJ150CA P6SMBJ150CA	DV DW DX DY ED EF EG EH EK EL EM EM	90.0 90.0 100.0 110.0 110.0 120.0 120.0 120.0 130.0 130.0 150.0 150.0	100.00 111.00 111.00 122.00 133.00 133.00 144.00 144.00 144.00 167.00 167.00 178.00	115.50 141.00 128.00 154.50 169.00 153.00 182.50 165.50 211.50 192.50 226.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 214.0 193.0 231.0 209.0 268.0 243.0 287.0	4.1 3.4 3.7 3.0 2.8 3.1 2.8 2.9 2.2 2.9 2.2 2.5 2.1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ8SC P6SMBJ90C P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ10CA P6SMBJ120C P6SMBJ120C P6SMBJ120C P6SMBJ130C P6SMBJ130C P6SMBJ150CA P6SMBJ150CA P6SMBJ150CA	DV DW DX DZ ED EE EF EG EG EH EK EL EM EN EN	90.0 90.0 100.0 110.0 110.0 120.0 120.0 130.0 150.0 150.0 150.0 160.0	100.00 111.00 122.00 122.00 133.00 133.00 134.00 144.00 144.00 167.00 167.00 178.00	115.50 141.00 128.00 154.50 140.50 169.00 153.00 182.50 182.50 211.50 192.50 226.00 205.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 177.0 214.0 231.0 231.0 268.0 243.0 268.0 243.0 259.0	4.1 3.4 3.7 3.0 3.4 2.8 3.1 2.6 2.9 2.9 2.2 2.5 2.1 2.3	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
P6SMBJ78CA P6SMBJ85CA P6SMBJ90CA P6SMBJ90CA P6SMBJ100CA P6SMBJ100CA P6SMBJ110C P6SMBJ110C P6SMBJ120CA P6SMBJ120CA P6SMBJ130CA P6SMBJ150CA P6SMBJ150CA	DV DW DX DY ED EF EG EH EK EL EM EM	90.0 90.0 100.0 110.0 110.0 120.0 120.0 120.0 130.0 130.0 150.0 150.0	100.00 111.00 111.00 122.00 133.00 133.00 144.00 144.00 144.00 167.00 167.00 178.00	115.50 141.00 128.00 154.50 169.00 153.00 182.50 165.50 211.50 192.50 226.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1	146.0 179.0 162.0 196.0 214.0 193.0 231.0 209.0 268.0 243.0 287.0	4.1 3.4 3.7 3.0 2.8 3.1 2.8 2.9 2.2 2.9 2.2 2.5 2.1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

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