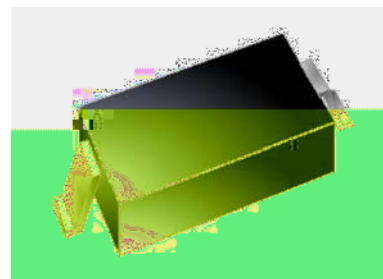
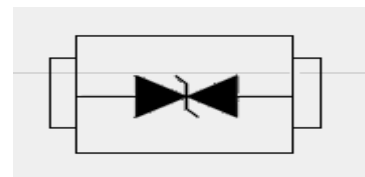




450 Watts peak pulse power per line ( $t_P=8/20\mu s$ )  
 Protects one bi-directional I/O line  
 Low clamping voltage  
 Working voltage:3.3V  
 Low leakage current  
 RoHS compliant



SOD-323



Pin Configuration

Cell phone handsets and accessories  
 Microprocessor based equipment  
 Personal digital assistants (PDA's)

IEC61000-4-2 (ESD)  $\pm 30kV$  (air),  $\pm 30kV$  (contact)  
 IEC61000-4-4 (EFT) 40A (5/50ns)  
 IEC61000-4-5 (Lightning) 30A (8/20 $\mu s$ )

SOD-323 package  
 Moldin

3 Marking code: 03B



(T<sub>A</sub>=25 , RH=45%-75%, unless otherwise noted)

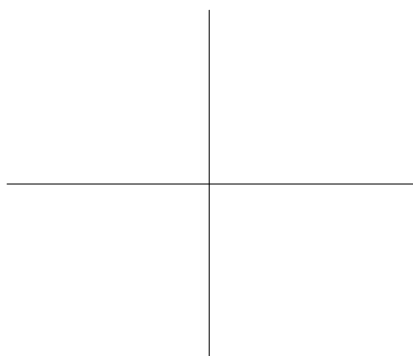
DUFU a YhYf'	Gma Vc''	JU' iY'	I b]h'
Peak pulse power dissipation at 8/20μs waveform	P <sub>PP</sub>	450	W
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V <sub>ESD</sub>	+/- 30 +/- 30	kV
Lead soldering temperature	T <sub>L</sub>	260 (10 sec.)	
Operating junction temperature range	T <sub>J</sub>	-55 to +125	
Storage temperature range	T <sub>STG</sub>	-55 to +150	

(T<sub>A</sub>=25 )

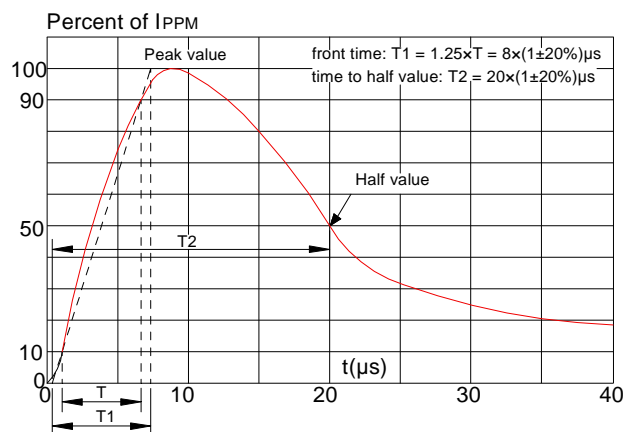
DUFU a YhYf'	Gma Vc''	7cbX]h]cbg'	A]b'	Hmd'	AUI'	I b]h'
Reverse working voltage	V <sub>RWM</sub>				3.3	V
Reverse breakdown voltage	V <sub>BR</sub>	I <sub>T</sub> =1mA	3.6			V
Reverse leakage current	I <sub>R</sub>	V <sub>RWM</sub> =3.3V			1	μA
Clamping voltage	V <sub>C</sub>	I <sub>PP</sub> =30A, t <sub>P</sub> =8/20μs			15	V
Junction capacitance	C <sub>J</sub>	V <sub>RWM</sub> =0V, f=1MHz		40	80	pF

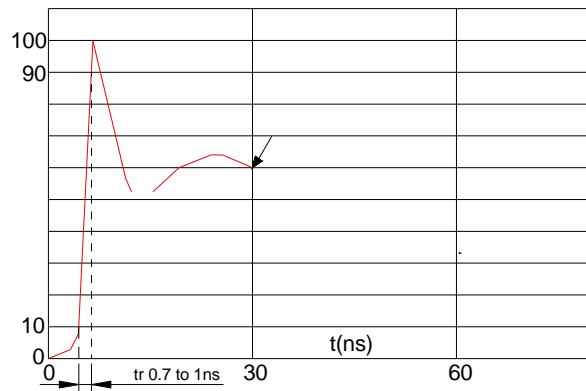
(T<sub>A</sub>=25°C, unless otherwise noted)

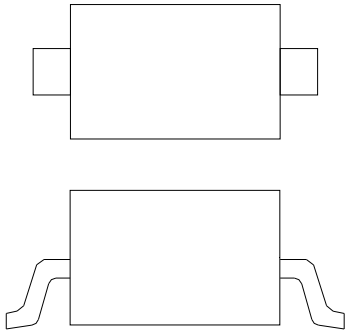
∴ ; "% . J ! ' = W i f j Y ' W \ U f U W h Y f ] g h ] W g  
f 6 ] ! X ] f Y W h ] c b U ' ĸ

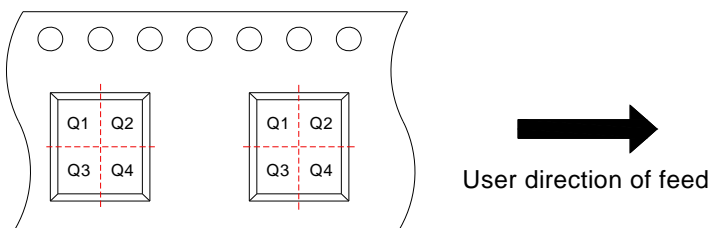
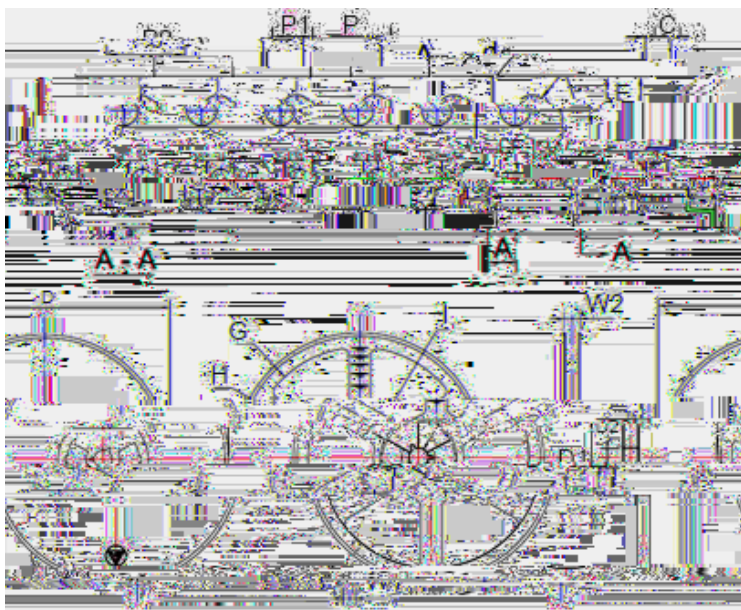


∴ ; "& . D i ` g Y ' k U j Y Z c f a ' (8/20μs)










Pin 1 quadrant:Q1&Q2

**Packaging description:**

SOD-323 parts are shipped in tape. The carrier tape is made from a dissipative(carbon filled) polycarbonate resin. The cover tape is a multik

Gma Vc''	A]'']a YhYfg'	=bW\Yg'
	Hmd'	Hmd'
A	1.46	0.057
B	2.90	0.114
C	1.25	0.049
d	1.50	0.059
E	1.75	0.069
F	3.50	0.138
P0	4.00	0.157
P	4.00	0.157
P1	2.00	0.079
W	8.00	0.315
D	178.0	7.008
D1	54.40	2.142
D2	13.00	0.512
G	R78.0	R3.071
H	R25.60	R1.008
I	R6.50	R0.256
W1	9.50	0.374
W2	12.30	0.484

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEB03D3	SOD-323	3,000	7 inch reel pack

Part Number	Marking Code
JEB03D3	


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