SOT-23 TVS

TVS Array in a SOT23 Plastic Package.

1ns 30KV] ĩ $ d̰

/ Absolute Maximum Ratings(Ta=25)

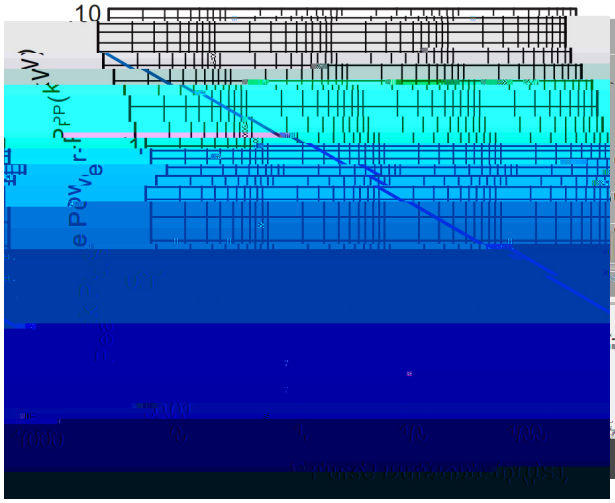
Parameter	Symbol	Rating	Unit
Peak Pulse Power (tp = 8/20 s)	P_{PP}	350	W
Peak Pulse Current (tp = 8/20 s)	I_{PP}	8.0	A
ESD per IEC 61000-4-2 (Air)	V_{ESD1}	±30	kV
ESD per IEC 61000-4-2 (Contact)	V_{ESD2}	±30	kV
Operating Temperature	T_{OPR}	-55 to +150	
Storage Temperature	T_{STG}	-55 to +150	

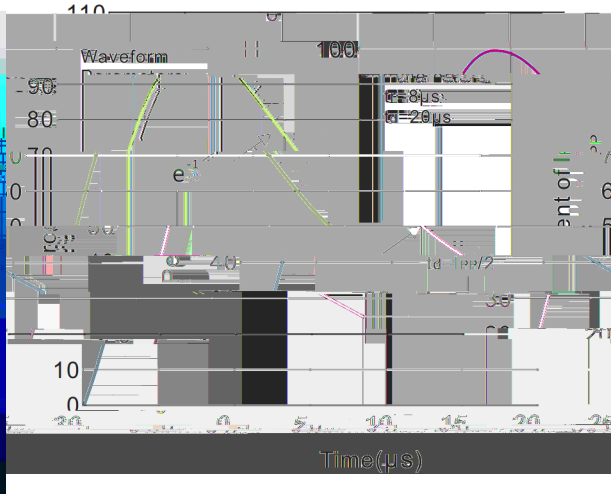
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Stand-Off Voltage	V_{RWM}				24	V
Reverse Breakdown Voltage	V_{BR}	It=1mA	26.7			V
Reverse Leakage Current	I_R	V_{RWM}=24V T=25			1	A
Clamping Voltage	V_C	I_{PP} =1.0A t_p=8/20 S			33	V
	V_C	I_{PP} =8.0A t_p=8/20 S			44	V
Capacitance. Any I/O pin to GND	C_J	V_R=0V f=1MHz		25	30	pF

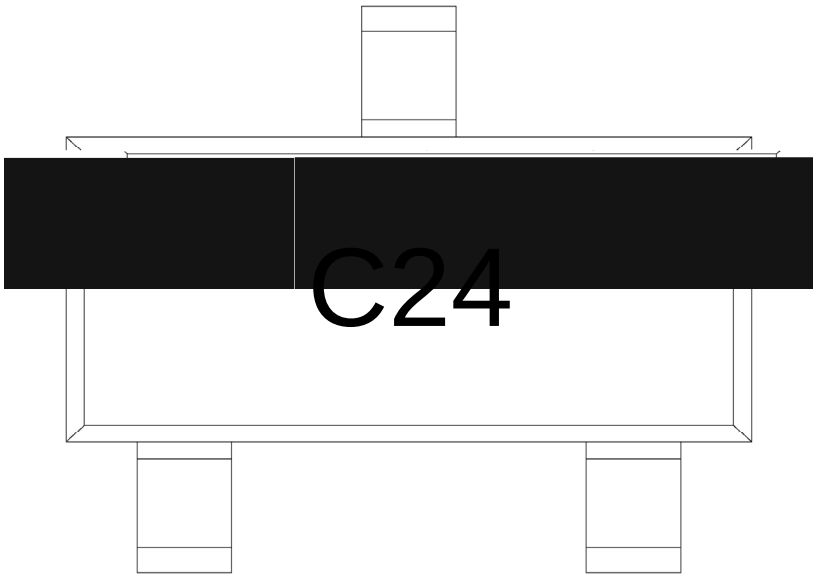
/ Electrical Characteristic Curve

Fig.1 Non-Repetitive Pulse Po2.H03(e2.2r ve2.2s)-1.(. PulseT)18.(i)32.2me





/ Marking Instructions



C24

Note:

C24: Product Type Code

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1		150	200		60	120sec;	1.Preheating:150~200 , Time:60~120sec.
2		255±5				5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3				2	10	/sec.	3.Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec