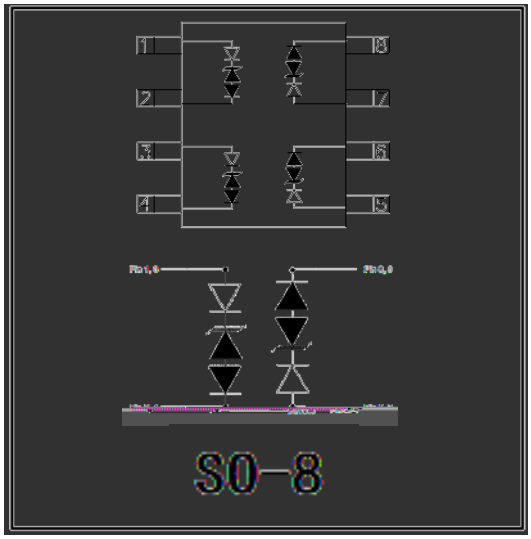
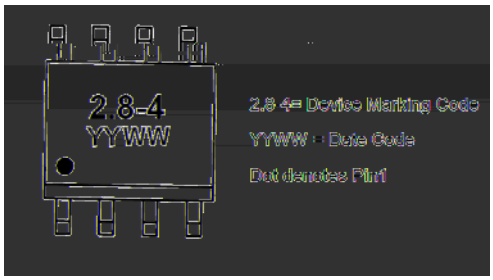
ESD Protection Diode



Features

- ●Protects two line pairs (four lines)
- ●Ultra low clamping voltage
- ●Low operating voltage: 2.8V
- ●Moisture Sensitivity: Level 3 per J-STD-020
- ●JEDEC SO-8 package
- ● Marking:



■Absolute Maximum Ratings (Ta=25°C unless otherwise specified)

PARAMETER	SYMBOL	VALUE	UNIT
Operating Temperature Range	T_J	-55 to +125	
Storage Temperature Range	T_{STG}	-55 to +150	
IEC61000-4-2(ESD)Air	V_{ESD}	±30	KV
IEC61000-4-2(ESD)Contact		±30	KV
Peak Pulse Power(8/20μs)	P_{PP}	600	W
Peak Pulse Current(8/20μs)	I_{PP}	30	A

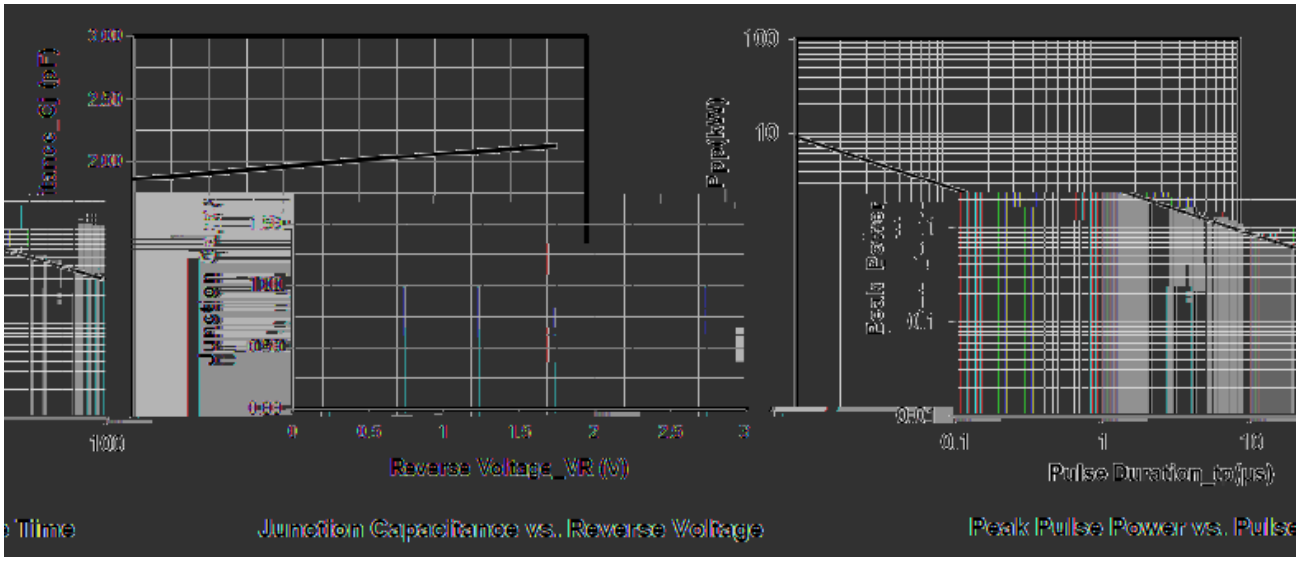
■Electrical Characteristics T_a=25 Unless otherwise specified

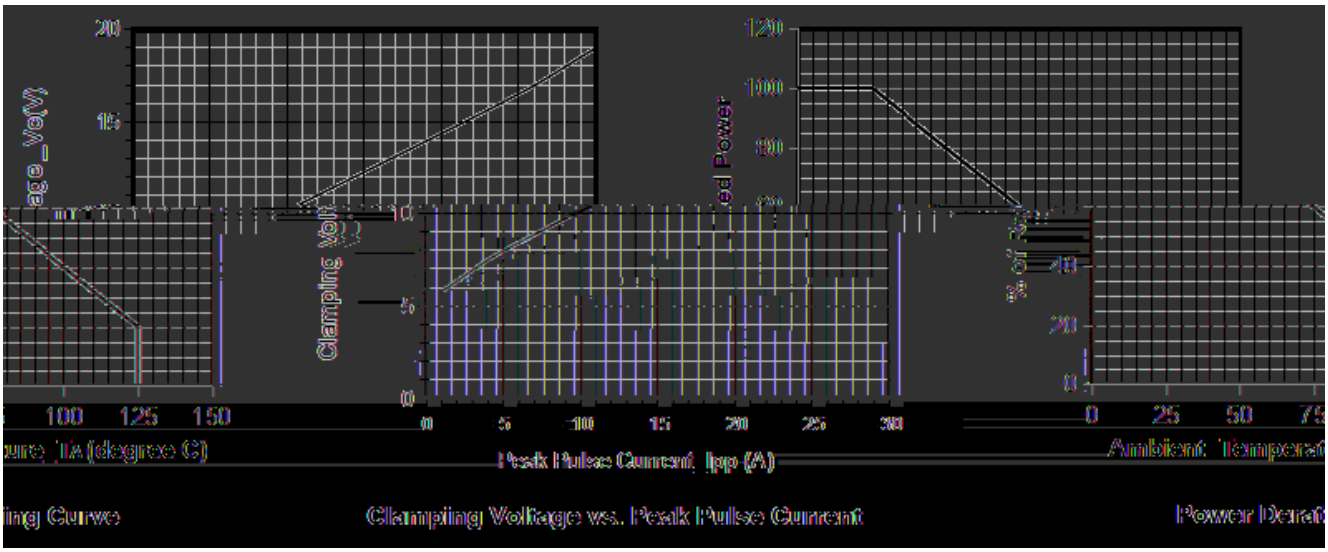
PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Working Voltage	V_{RWM}	V				2.8
Reverse Leakage Current	I_R	uA	V_{RWM}=2.8V		0.001	1
Breakdown Voltage	$V_{(BR)}$	V	I_T=2uA	3		
	$V_{(SB)}$	V	I_{SB}=50mA	3		
Clamping Voltage	V_C	V	I_{PP}=5A			8.5
Clamping Voltage	V_C	V	I_{PP}=25A			18
Clamping Voltage	V_C	V	I_{PP}=30A			20
Junction Capacitance	C_J	pF	V_R=0V,f=1MHz		2	3

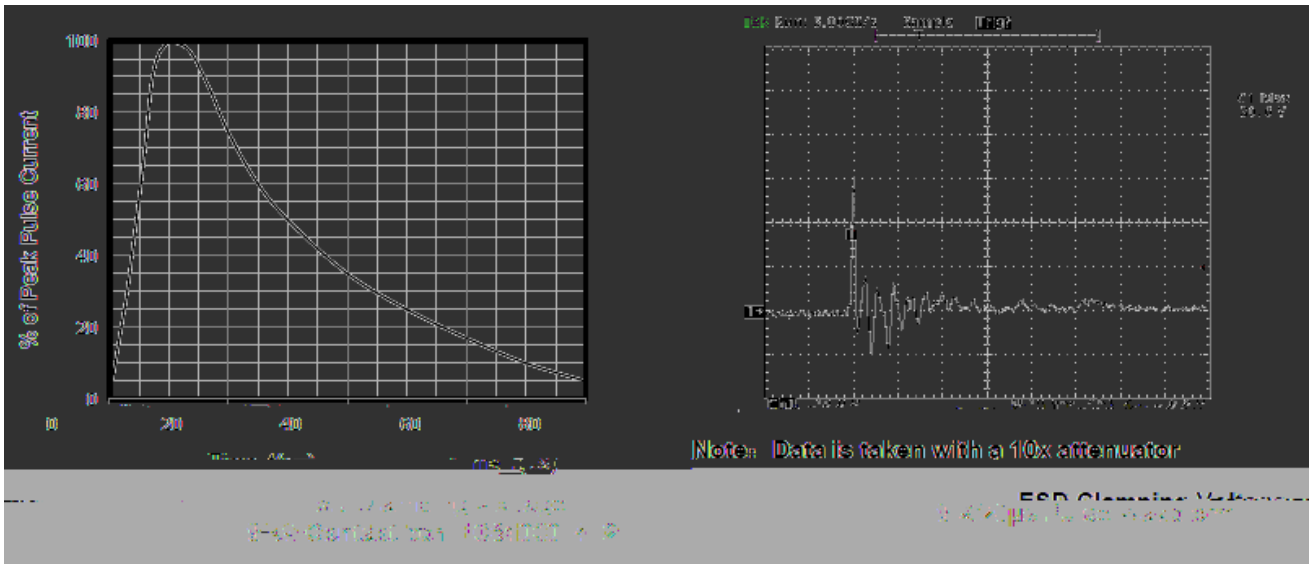
■Thermal Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SLVU2.8-4
Thermal Resistance(Typical)	$R_{\theta J-A}$	/W	184
	$R_{\theta J-C}$	/W	74

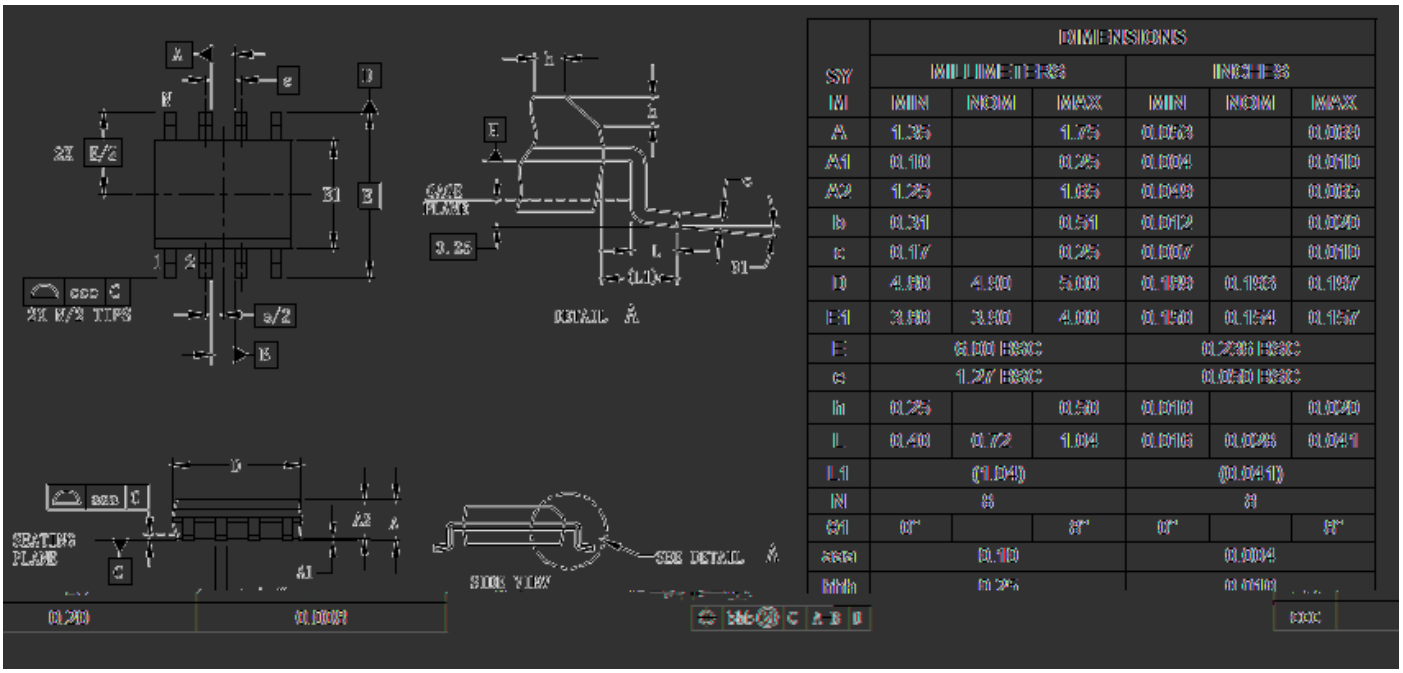
■ Characteristics (Typical)





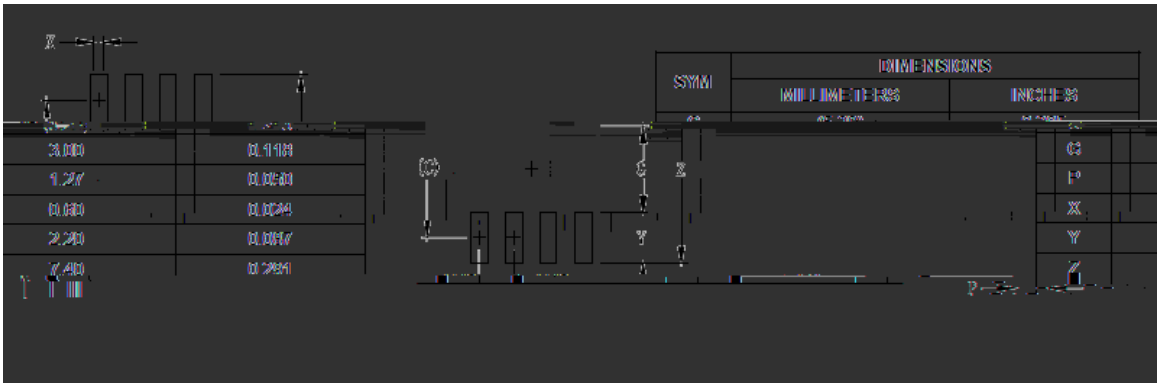


■ Outline Dimensions



SYMBOL	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.35		1.75	0.0531		0.0689
A1	0.10		0.25	0.0039		0.0098
A2	1.25		1.65	0.0492		0.0650
b	0.31		0.51	0.0122		0.0201
c	0.17		0.25	0.0067		0.0098
D	4.80	4.90	5.00	0.1890	0.1929	0.1969
E1	3.80	3.90	4.00	0.1496	0.1535	0.1575
E	6.00 BSC			0.2362 BSC		
e	1.27 BSC			0.0500 BSC		
h	0.25		0.50	0.0098		0.0197
L	0.40	0.72	1.04	0.0157	0.0283	0.0409
L1	(1.04)			(0.0409)		
N	8			8		
θ1	0°		8°	0°		8°
aaa	0.10			0.0039		
bbb	0.20			0.0079		

■ Soldering Footprint



Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website http:// www.21yangjie.com , or consult your nearest Yangjie's sales office for further assistance.