



CHENMKO ENTERPRISE CO.,LTD

BIDIRECTIONAL TVS DIODES VOLTAGE 3.3V

CHTVSNDVCCEGP-S

Halogens free devices

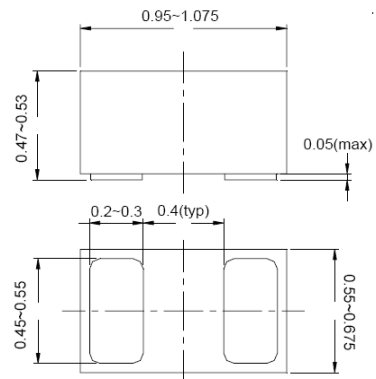
APPLICATIONS

- *Cellular handsets.
- *Portable electronics.
- *Communication systems.
- *Computers and peripherals.

FEATURES

- *ESD per IEC 61000-4-2 (AIR) 30KV
- *ESD per IEC 61000-4-2 (CONTACT) 30KV

DFN1006



Dimensions in millimeters

DFN1006

CIRCUIT



MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Peak pulse current at $t_p = 8 \times 20 \mu\text{Sec}$	I_{PP}	10	A
Junction Temperature Range	T_J	+150	°C
Storage Temperature Range	T_{STG}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

PRODUCT NO.	Breakdown Voltage			@ IT (mA)	Working Peak Reverse Voltage	Maximum Reverse Leakage at V_{rwm} (Notes1)	Maximum Reverse Current $t_p = 8 \times 20 \mu\text{Sec}$	Maximum Reverse Voltage at I_{pp} (clamping)	Typical Junction Capacitance at $V_r = 0V$ $f = 1\text{MHz}$
	VBR Volts								
	MIN.	NOM.	MAX.						
CHTVSNDVCCEGP-S	3.7	-	5.0	1.0	3.3	0.1	10	9.5	13

Notes: 1. Short duration pulse test used to minimize self-heating effect

2018-08

RATING CHARACTERISTIC CURVES (CHTVSNDVCCESGP-S)

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified.

Fig1. 8/20us pulse waveform according to

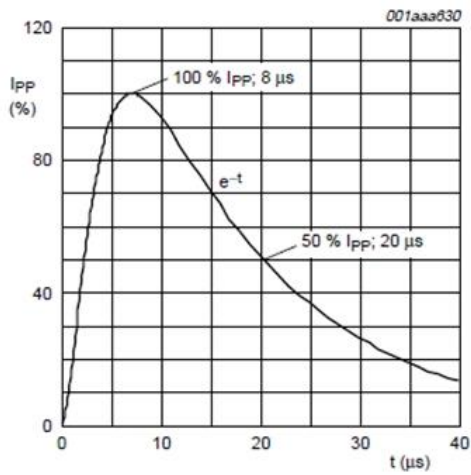


Fig2. ESD pulse waveform according to

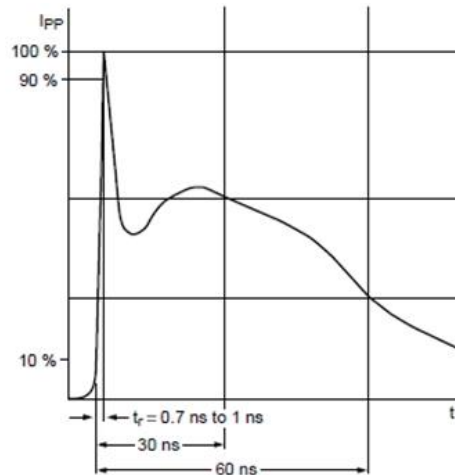
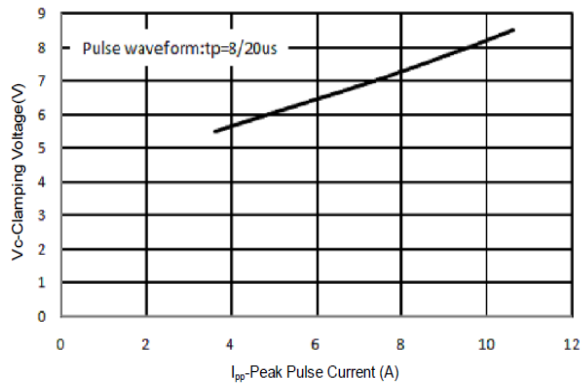
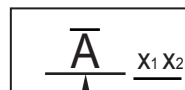


Fig3. Clamping voltage vs. peak pulse current



The Marking and Part No. for CHTVSNDCVCCESGP-S (DFN1006)

Marking:



↑
Marking Code

Date Code Standard

X1


X2

Date Code (會變更)

Line code (會變更)

Date Code	N	P	Q	R	S	T	U	V	W	X	Y	Z
2018Year	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT	NOV.	DEC.

Date Code	A	B	C	D	E	F	G	H	J	K	L	M
2019Year	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG.	SEP.	OCT	NOV.	DEC.

CUSTOMER :	APPROVED :	 CHENMKO LTD.
APPROVED :	CHECKED :	
CHECKED :	DRAWN :	