[¤]@REATEK

79G80603U75J6S

7F95H9?`A]W/cY`YW/fcb]Wg

Ultra Low Capacitance ESD Protection[®]]cXY[®]]b[®]DFN0603

:YUhifYg

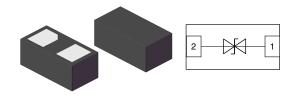
- 32Watts peak pulse power (tp = 8/20us)
- DFN0603 package
- Bidirectional configurations
- Solid-state silicon-avalanche technology
- Low clamping voltage
- Low leakage current
- Medium capacitance (CJ=0.35pF typ.)
- Protection one data/power line to: IEC 61000-4-2 ±8kV contact ±15kV air IEC 61000-4-4 (EFT) 40A (5/50ns)
 IEC 61000-4-5 (Lightning) 4A (8/20µs)

A YWY Ub]WU`8 UHJ

- 7 UgY. DFN0603 (plastic package). Lead free; RoHS compliant
- A c`X]b['7 ca dci bX': `Ua a UV]`]hmiFUh]b[. UL 94 V-0
- **HYfa]bUg.** High temperature soldering guaranteed: 260 °C/10 sec. at terminals

5 Vgc`ihY`AUI]aia'FUh]b[g

Ratings at 25 °C, ambient temperature unless otherwise specified



Applications

- Cell Phone Handsets and Accessories
- Personal Digital Assistants (PDA's)
- Microprocessor based equipment
- Notebooks, Desktops, and Servers
- Portable Instrumentation

Parameter	Symbol	Value	Unit
Peak Pulse Power (T _P =8/20µS)	P _{PP}	32	W
ESD contact/air discharge (IEC-61000-4-2)	V _{ESD}	8/15	kV
Peak Pulse Current (t⊵ = 8/20µS)	I _{PP}	4	А
Junction Temperature	TJ	-55 to +125	°C
Storage temperature	T _{STG}	-55 to +150	°C

Electrical Characteristics

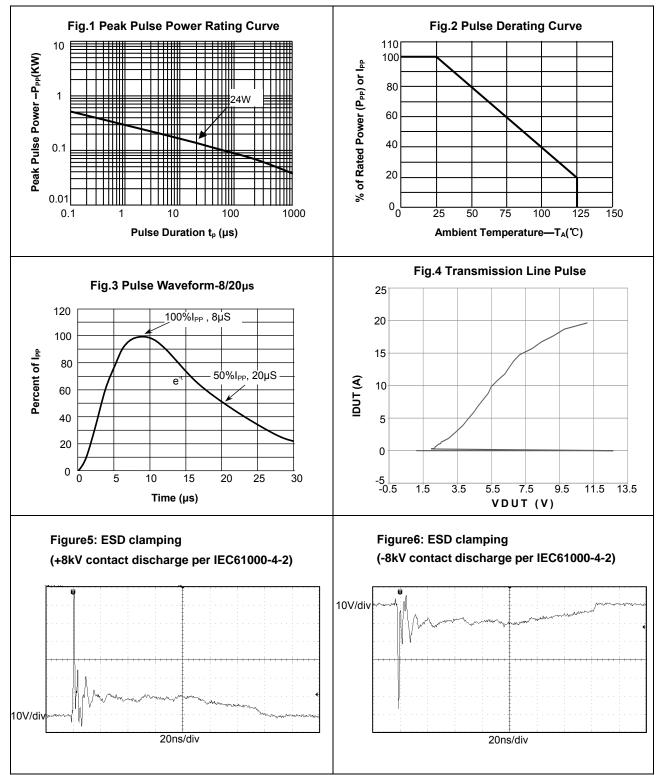
 $(T_A = 25 \ ^{\circ}C \text{ unless otherwise specified})$

Parameter	Symbol	Condition	Min	Тур	Мах	Unit
Reverse stand-off Voltage	V _{RWM}				5.0	V
Holding Voltage	V _H	Іт=Ін	2.0		5.0	V
Holding Current	Ι _Η		10			mA
Reverse Leakage Current	I _R	V _{RWM} =18V			500	nA
Clamping Voltage	Vc	IPP=4A,tp=8/20µs		6.0	8.0	V
Clamping Voltage(TLP)	Vc	I_{PP} =16A, T_{P} =100ns			8.5	V
Trigger Voltage	VT		8		15	V
Dynamic Resistance	R_{dyn}	T⊧=100ns		0.25		Ω
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.35		pF



CESD0603UC5VBS

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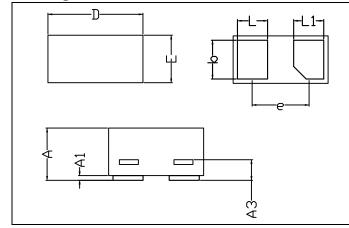


Typical Characteristics (T_{amb} = 25 °C unless otherwise specified)



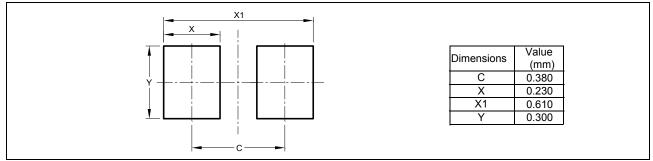
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Package Dimensions

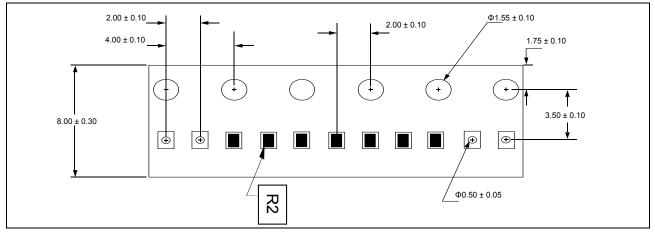


Symbol	Dimensions in millimeters			
Symbol	Min	Nom	Max	
А	0.23	-	0.33	
A1	0.00	-	0.05	
A3	0.102 REF			
D	0.55	0.60	0.65	
Е	0.25	0.30	0.35	
b	0.215	0.245	0.275	
L	0.160	0.190	0.220	
L1	0.160	0.190	0.220	
е	0.	355 BSC		

Pad Dimensions



Package Information



Ordering information

Order code	Marking	Package	Packaging option	Base quantity	Packaging specification
CESD0603UC5VBS	R2	DFN0603	Tape and reel	10000pcs / reel	EIA STD RS-481

Revision history

Date	Revision	Changes
19-Jan2018	1.0	Initial release

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CESD0603UC5VBS

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