

Protection in Portable Electronics Applications.

FEATURES

- 30 Watts peak pulse power ($t_p=8/20\mu s$)
- Transient protection for data lines to IEC 61000-4-2(ESD) 15kV(Air), 8kV(Contact)
- Small package for use in portable electronics.
- Suitable replacement for Multi-Layer Varistors in ESD protection applications.
- Protects one I/O or power line.
- Low clamping voltage.
- Low leakage current.

APPLICATIONS

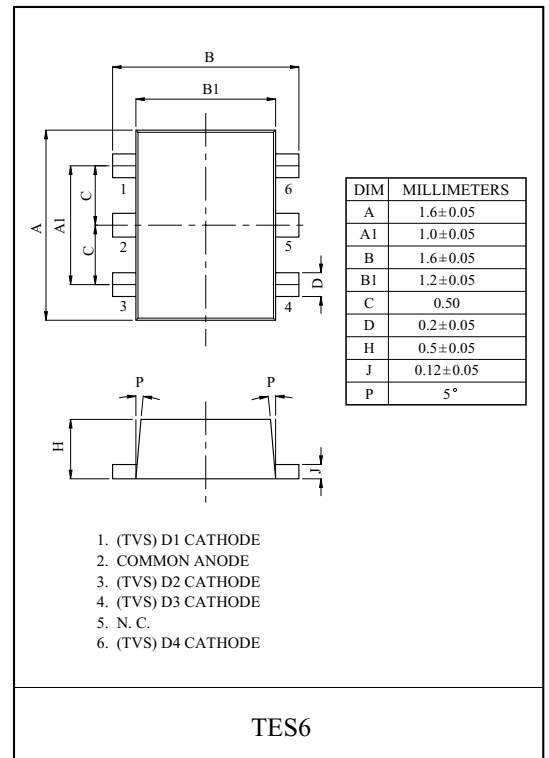
- Cell phone handsets and accessories.
- Microprocessor based equipment.
- Personal digital assistants (PDA s)
- Notebooks, desktops, & servers.
- Portable instrumentation.
- Pagers peripherals.

MAXIMUM RATING (Ta=25)

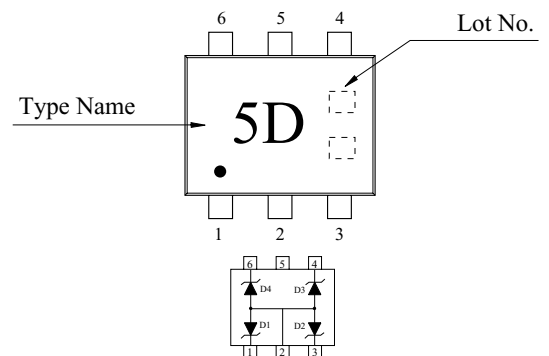
CHARACTERISTIC	SYMBOL	RATING	UNIT
Peak Pulse Power ($t_p=8/20 \mu s$)	P_{PK}	30	W
Junction Temperature	T_j	150	
Storage Temperature	T_{stg}	-55 150	

ELECTRICAL CHARACTERISTICS (Ta=25)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	5	V
Reverse Breakdown Voltage	V_{BR}	$I_t=1mA$	6.1	-	7.2	V
Reverse Leakage Current	I_R	$V_{RWM}=3V$	-	-	0.5	μA
Junction Capacitance	C_j	$V_R=0V, f=1MHz$	-	-	15	pF

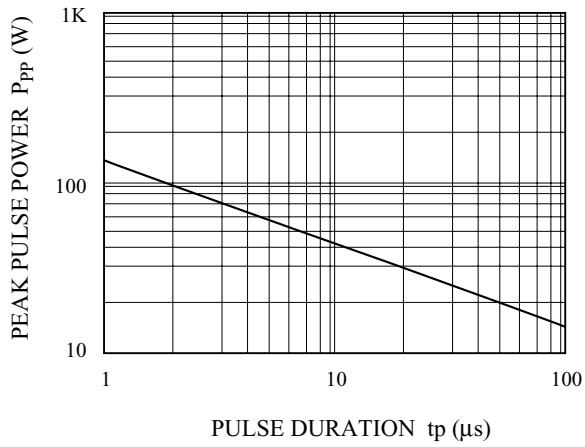


Marking

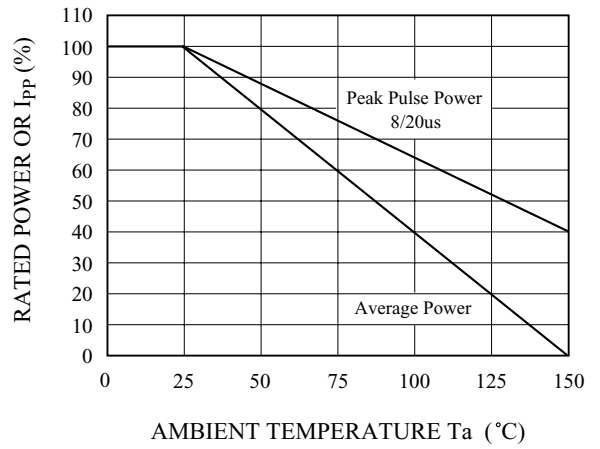


PG05DXTE6

NON-REPETITIVE PEAK PULSE
POWER VS. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM

