

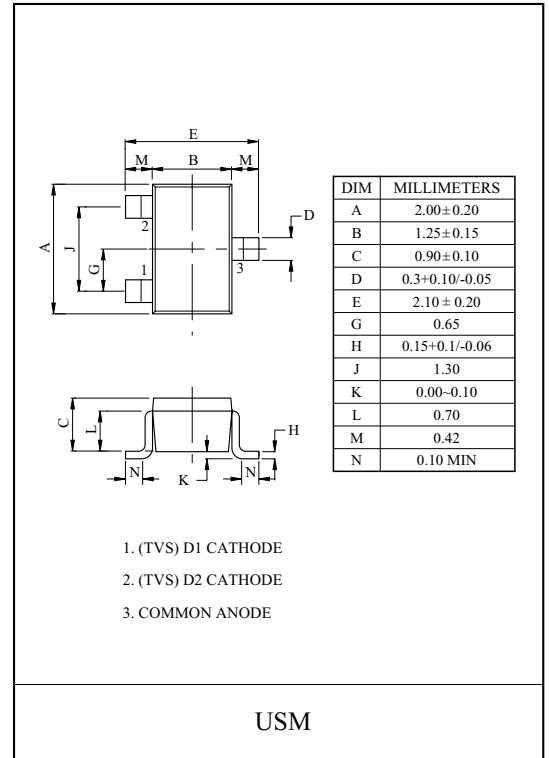
Protection in Portable Electronics Applications.

### FEATURES

- 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

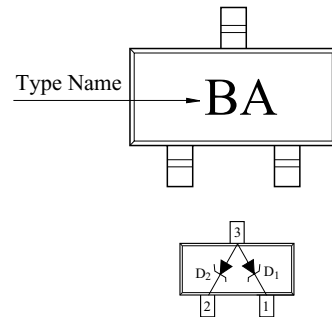
- Cell phone handsets and accessories.
- Microprocessor based equipment.
- Personal digital assistants (PDA s)
- Notebooks, desktops, & servers.
- Portable instrumentation.
- Pagers peripherals.



### MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Total Power Dissipation	P <sub>PK</sub>	200	mW
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature	T <sub>stg</sub>	-55 ~ 150	°C

### Marking

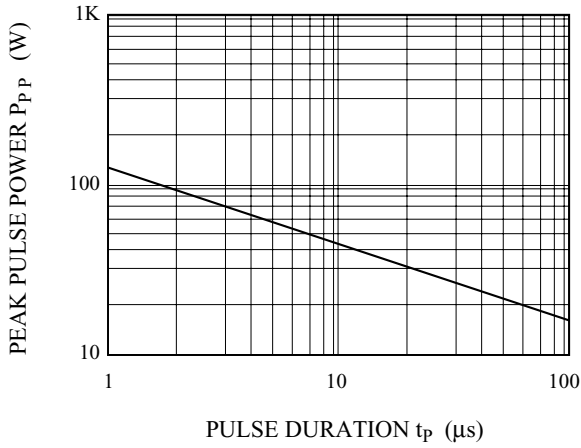


### ELECTRICAL CHARACTERISTICS (Ta=25 °C)

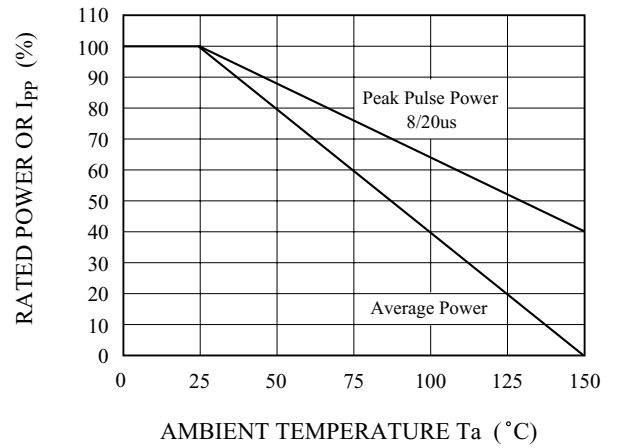
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	V <sub>RWM</sub>	-	-	-	5	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>f</sub> =5mA	6.46	-	7.14	V
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> =5V	-	-	0.5	μA
Junction Capacitance	C <sub>J</sub>	V <sub>R</sub> =0V, f=1MHz	-	3	-	pF

# PG05BAUSM

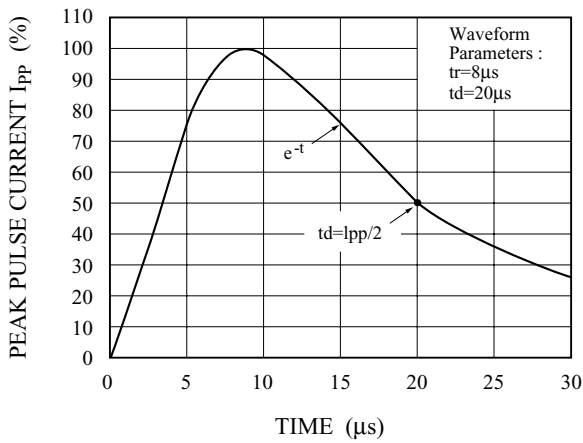
NON-REPETITIVE PEAK PULSE  
POWER VS. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM



C<sub>J</sub> - V<sub>R</sub>

