

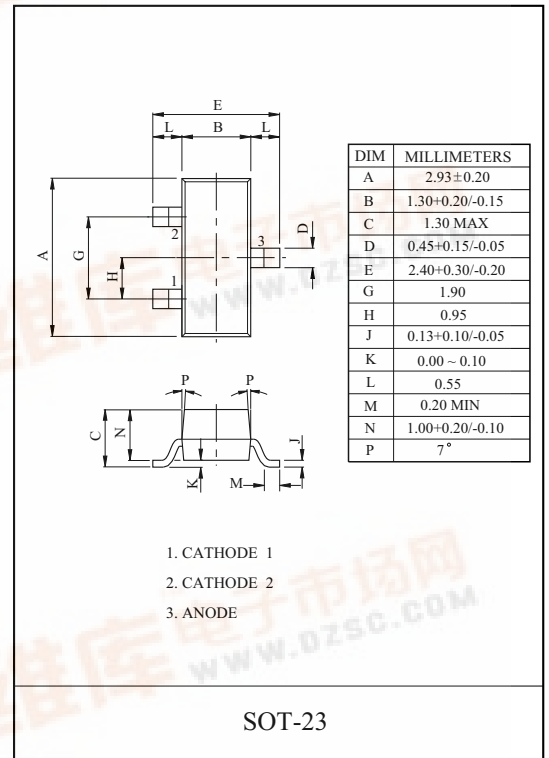
Protection in Portable Electronics Applications.

FEATURES

- 350 Watts peak pulse power (tp=8/20μs)
- Transient protection for data lines to IEC 61000-4-2(ESD) 15kV(Air), 8kV(Contact) IEC 61000-4-4(EFT) 40A(tp=5/50ns) IEC 61000-4-5(Lightning) 24A(tp=8/20μs)
- Standard SOT-23 Package.
- Protects one Bidirectional line or two Unidirectional Lines.
- Low clamping voltage.
- Low leakage current.

APPLICATIONS

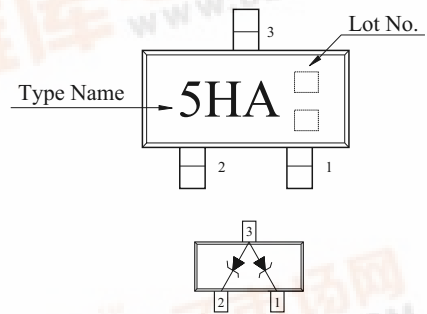
- Cell phone handsets and accessories.
- Microprocessor based equipment.
- Industrial Controls.
- Personal digital assistants (PDA's)
- Notebooks, desktops PC, & servers.
- Portable instrumentation.
- Set-Top Box, DVD Player.



MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Peak Pulse Power (tp=8/20μs)	P _{PK}	350	W
Peak Pulse Current (tp=8/20μs)	I _{PP}	24	A
Operating Temperature	T _j	-55 ~ 150	°C
Storage Temperature	T _{stg}	-55 ~ 150	°C

Marking

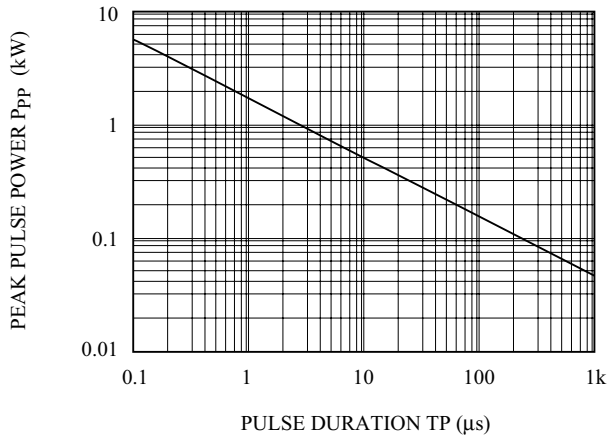


ELECTRICAL CHARACTERISTICS (Ta=25°C)

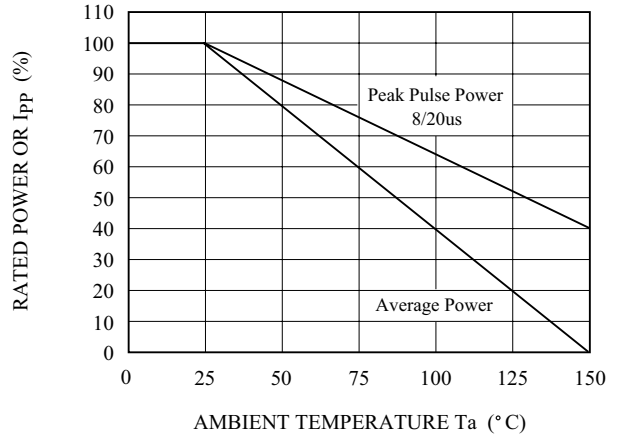
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	V _{RWM}	-	-	-	5	V
Reverse Breakdown Voltage	V _{BR}	I _t =1mA	6	-	-	V
Reverse Leakage Current	I _R	V _{RWM} =5V	-	-	20	μA
Clamping Voltage	V _C	I _{PP} =24A, tp=8/20μs	-	-	14.5	V
Junction Capacitance	C _J	V _R =0V, f=1MHz Pin 1 to 3 and Pin 2 to 3	-	-	400	pF

PG05HAS23

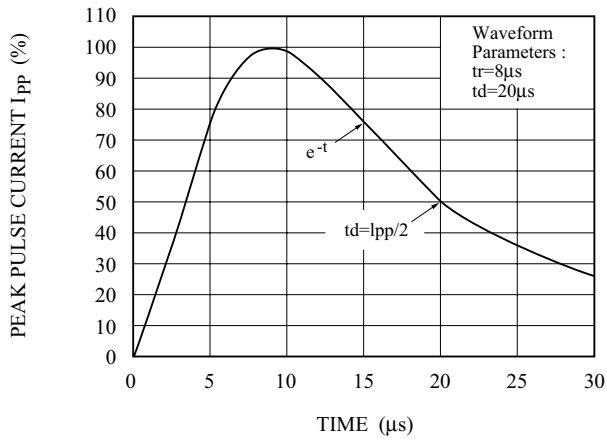
NON-REPETITIVE PEAK PULSE POWER VS. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM



$C_J - V_R$

