

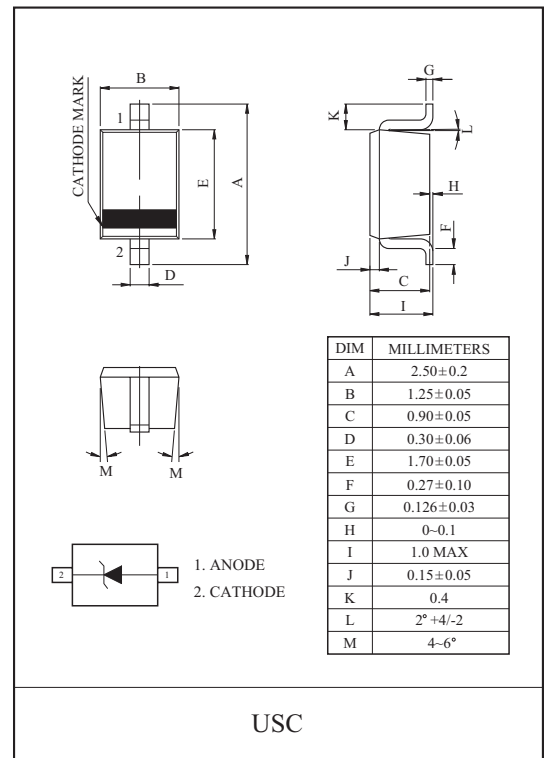
Protection in Portable Electronics Applications.

FEATURES

- 350 Watts peak pulse power (tp=8/20 μ s)
- Transient protection for data lines to
IEC61000-4-4(EFT) 40A(tp=5/50ns)
IEC61000-4-5(Lightning) 8A(tp=8/20 μ s)
- Small package for use in portable electronics.
- Suitable replacement for Multi-Layer Varistors in ESD
protection applications.
- Protects on I/O or power line.
- Low clamping voltage.
- Low leakage current.
- Suffix U : Qualified to AEC-Q101.
ex) PG24GSUSC-RTK/HU

APPLICATIONS

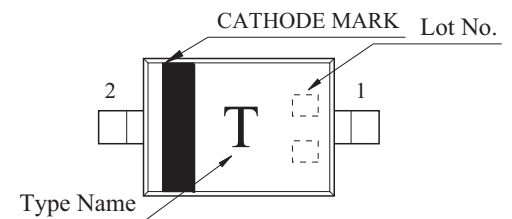
- Cell phone handsets and accessories.
- Microprocessor based equipment.
- Notebooks, desktops, & servers.
- Portable instrumentation.



MAXIMUM RATING (Ta=25 °C)

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

Marking

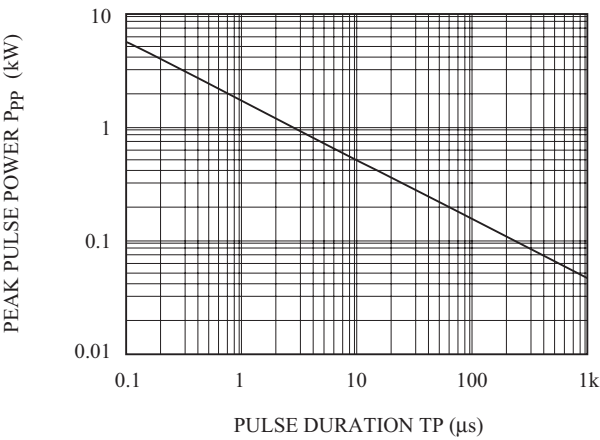


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

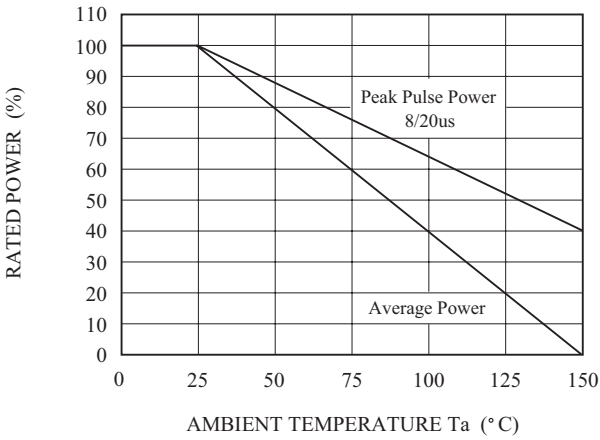
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	V _{RWM}	-	-	-	24	V
Reverse Breakdown Voltage	V _{BR}	I _t =1mA	27.2	-	-	V
Reverse Leakage Current	I _R	V _{RWM} =24V	-	-	1	μ A
Clamping Voltage	V _C	I _{PP} =5A, tp=8/20 μ s	-	-	40	V
		I _{PP} =8A, tp=8/20 μ s	-	-	45	
Junction Capacitance	C _J	V _R =0V, f=1MHz	-	-	200	pF
Electrostatic discharge	V _{ESD}	IEC61000-4-2	Air	± 20	-	KV
			Contact	± 20	-	

PG24GSUSC

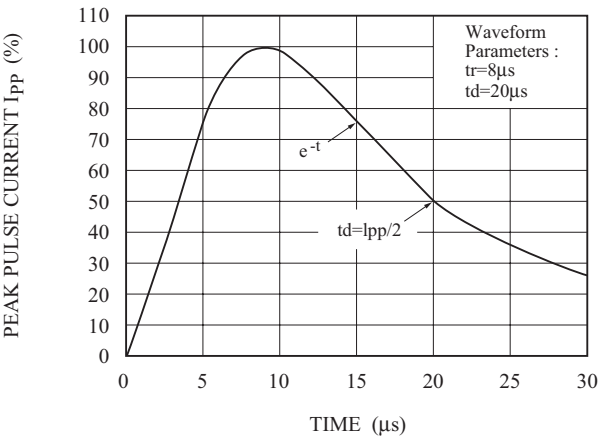
NON-REPETITIVE PEAK PULSE POWER VS. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM



$C_J - V_R$

