

Protection of Voltage Sensitive Components.

FEATURES

- 400 Watts peak pulse power.($t_p=10/1000\mu s$)
- Low profile package.
- Transient protection for data line to

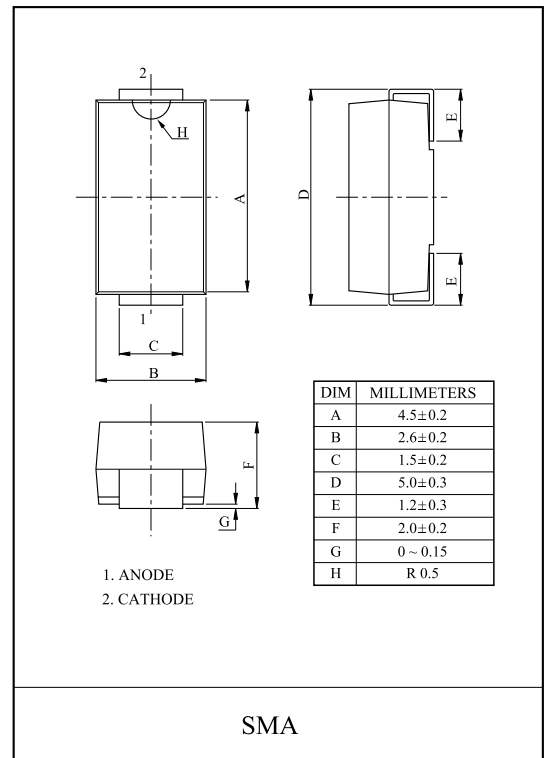
APPLICATIONS

- Communication Systems.
- Automotive.
- Power Supplies.
- Notebooks, Desktops & Servers.

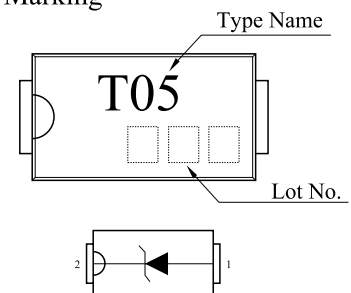
MAXIMUM RATING ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Peak Pulse Power * ($t_p=10/1000\mu s$)	P_{PK}	400	W
Peak Pulse Current ($t_p=10/1000\mu s$)	I_{PP}	43.5	A
Operating Temperature	T_j	-55 150	
Storage Temperature	T_{stg}	-55 150	

- * Notes) : (1) Derated above $T_a=25^\circ C$ per power derating curve.
(2) Mounted on 0.31×0.31 ($8.0 \times 8.0mm$) copper pads to each terminal.



Marking

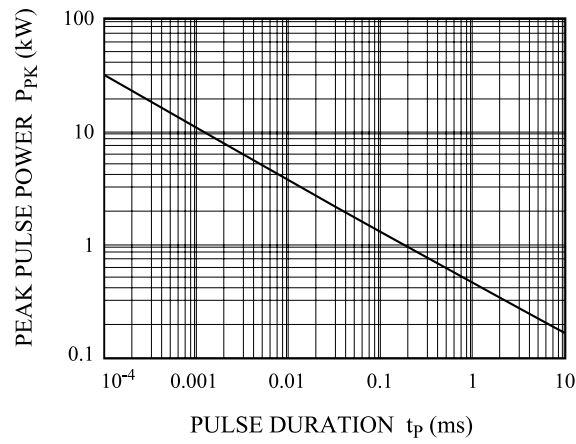


ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

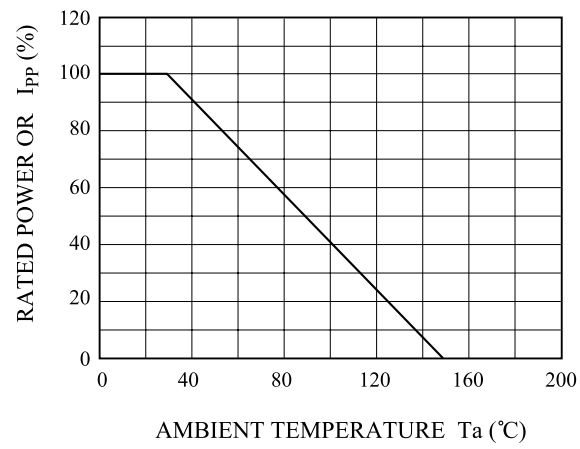
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	V_{RWM}	-	-	-	5	V
Reverse Breakdown Voltage	V_{BR}	$I_t=10mA$	6.4	6.7	7.0	V
Reverse Leakage Current	I_R	$V_{RWM}=5V$	-	-	400	μA
Clamping Voltage	V_C	$I_{PP}=43.5A, t_p=10/1000\mu s$	-	-	9.2	V

PG05MSSMA

NON-REPETITIVE PEAK PULSE
POWER vs. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM

