

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

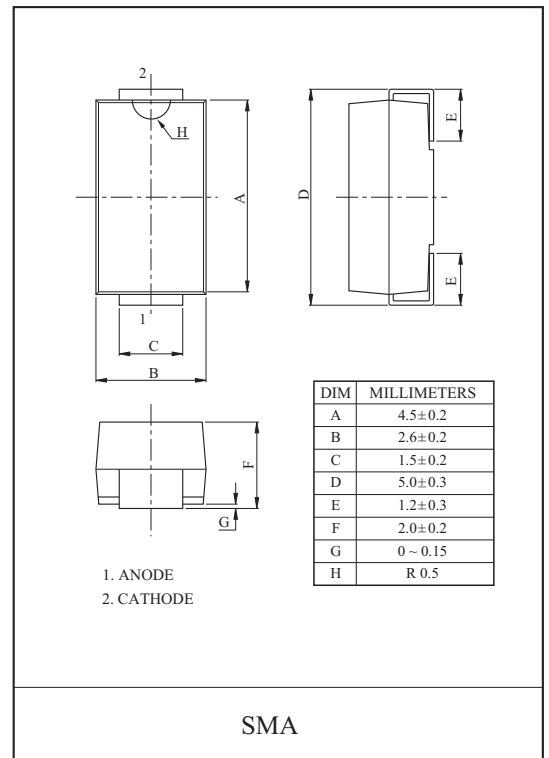
#### APPLICATIONS

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

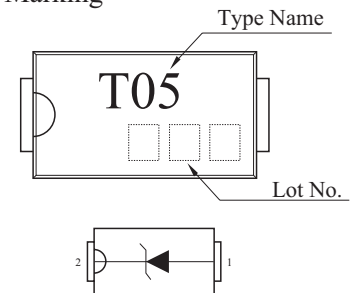
#### MAXIMUM RATING ( $T_a=25$ )

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  $T_a=25$  per power derating curve.  
 (2) Mounted on  $0.31 \times 0.31''(8.0 \times 8.0mm)$  copper pads to each terminal.



#### Marking

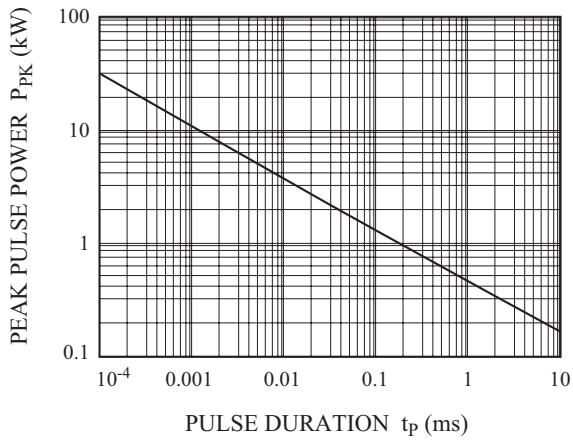


#### ELECTRICAL CHARACTERISTICS ( $T_a=25$ )

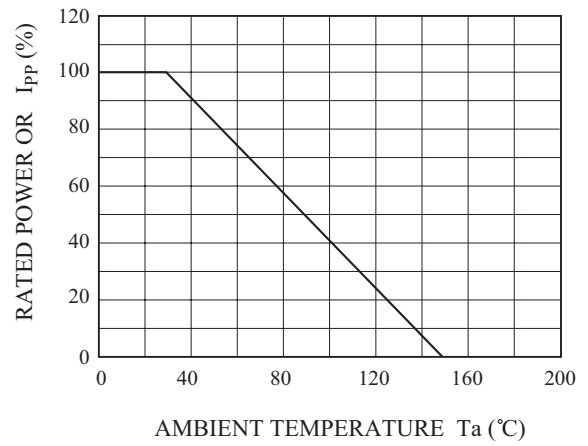
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Stand-Off Voltage	$V_{RWM}$	-	-	-	5	V
Reverse Breakdown Voltage	$V_{BR}$	$I_t=10mA$	6.4	6.7	7.0	V
Reverse Leakage Current	$I_R$	$V_{RWM}=5V$	-	-	400	$\mu A$
Clamping Voltage	$V_C$	$I_{PP}=43.5A, t_p=10/1000 \mu s$	-	-	9.2	V

# PG05MSSMA

NON-REPETITIVE PEAK PULSE  
POWER vs. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM

