

Protection in Portable Electronics Applications.

FEATURES

- 100 Watts peak pulse power ($t_p=8/20\mu s$)
- Transient protection for data lines to
IEC 61000-4-2(ESD) 15kV(Air), 8kV(Contact)
IEC 61000-4-4(EFT) 40A($t_p=5/50ns$)
IEC 61000-4-5(Lightning) 16A($t_p=8/20\mu s$)
- Small package for use in portable electronics.
- Suitable replacement for Multi-Layer Varistors in ESD
protection applications.
(* Multi-Layer Varistors [0402 Size])
- Protects on I/O or power line.
- Low clamping voltage.
- Low leakage current.

APPLICATIONS

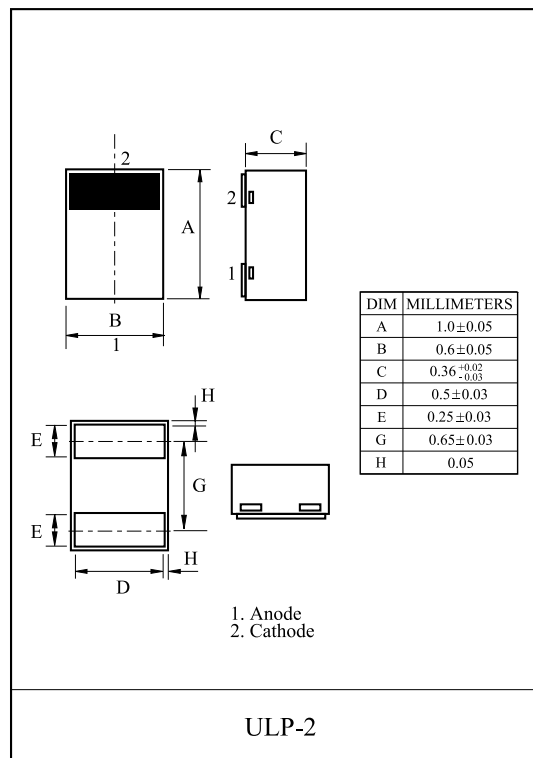
- Cell phone handsets and accessories.
- Microprocessor based equipment.
- Personal digital assistants (PDA s)
- Notebooks, desktops, & servers.
- Portable instrumentation.
- Pagers peripherals.

MAXIMUM RATING (Ta=25 °C)

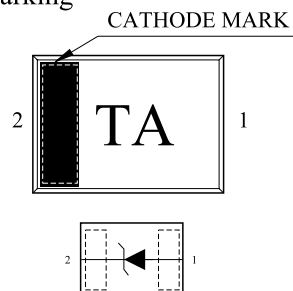
CHARACTERISTIC	SYMBOL	RATING	UNIT
Peak Pulse Power ($t_p=8/20\mu s$)	P_{PK}	200	W
Peak Pulse Current ($t_p=8/20\mu s$)	I_{PP}	16	A
Junction Temperature	T_j	-55 ~150	°C
Storage Temperature	T_{stg}	-55 ~150	°C

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} =3V	-	-	0.1	μA
		V _{RWM} =5V	-	-	5	
Clamping Voltage	V _C	I _{pp} =5A, tp=8/20 μs	-	-	9.8	V
		I _{pp} =16A, tp=8/20 μs	-	-	12.5	
Junction Capacitance	C _J	V _R =0V, f=1MHz	-	-	160	pF

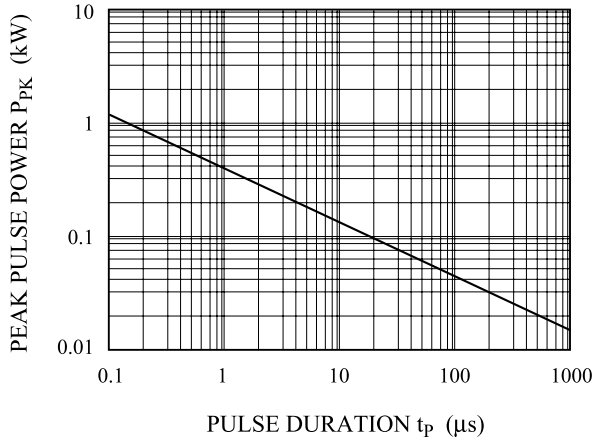


Marking

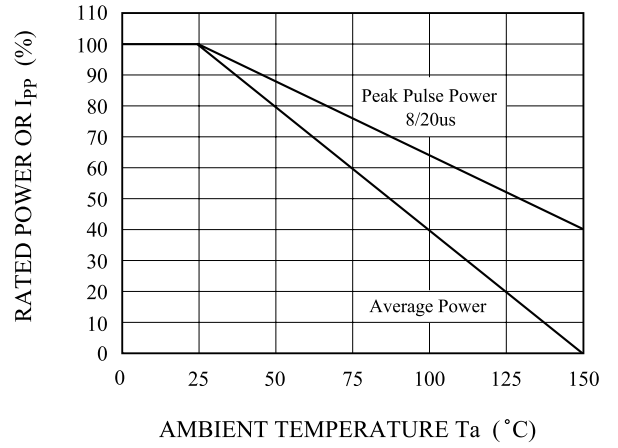


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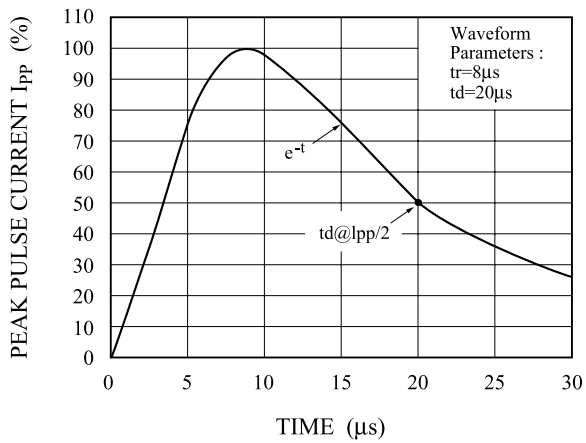
NON-REPETITIVE PEAK PULSE POWER
VS. PULSE TIME



POWER DERATION CURVE



PULSE WAVEFORM



$C_J - V_R$

