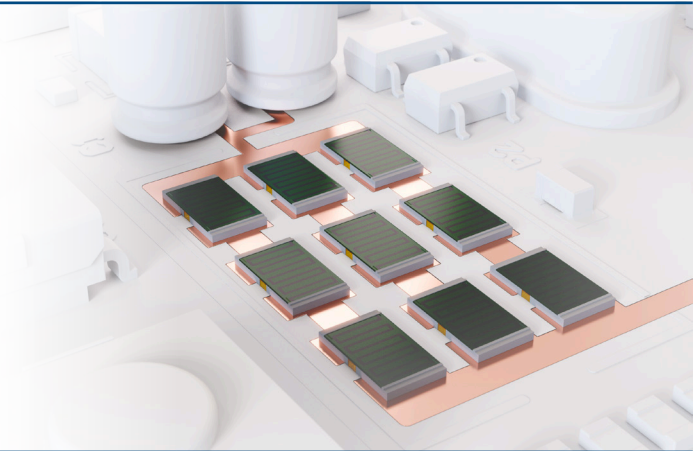


PMT (2817)

NEW Pulse power resistor

Compact design, high load capacity



INTRODUCTION

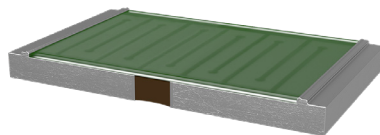
PMT in size 2817, a pulse load resistor that has been specifically developed for applications in power electronics.

APPLICATIONS

- Power inverter for the automotive market
- Power modules
- Snubber circuits
- Circuit protection in filter applications
- Precharging/discharging applications

FEATURES

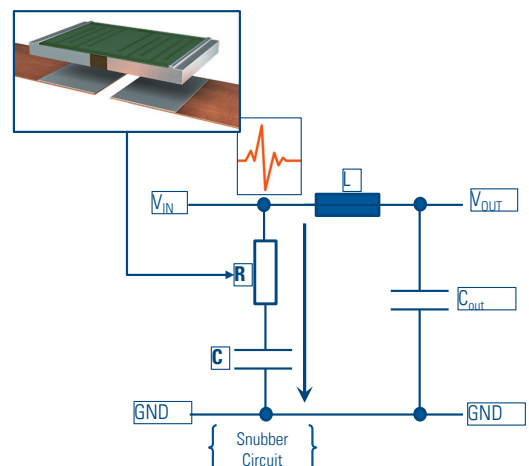
- Excellent pulse power resistor
- Excellent pulse load capacity
- Resistance value 0.05 / 0.5 / 1 / 1.25 Ω
- Configuration as array possible
- AEC-Q200 qualification in process



APPLICATIONS IN AUTOMOTIVE, INDUSTRY AND CUSTOMER ELECTRONICS

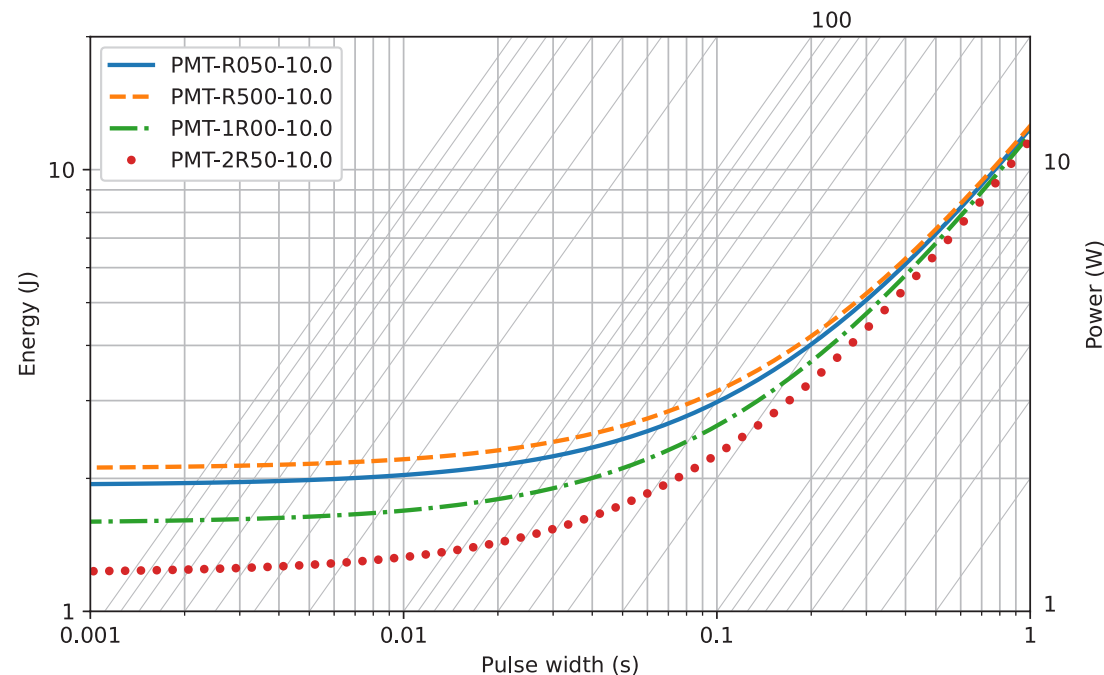
The new SMD pulse power resistor type PMT 2817 is ideal for any kind of application in which high-current pulses have to be absorbed and converted into energy.

- Precharge/discharge applications
- Snubber resistor for discharging purposes of a capacitor
- Circuit protection in filter-application, when in-rush currents have to be absorbed in order to protect downstream components (EMC, EMI)
- Limiting Inrush-Current to charge the DC-Link capacitor of an Electric Drive System etc.



PMT (2817)

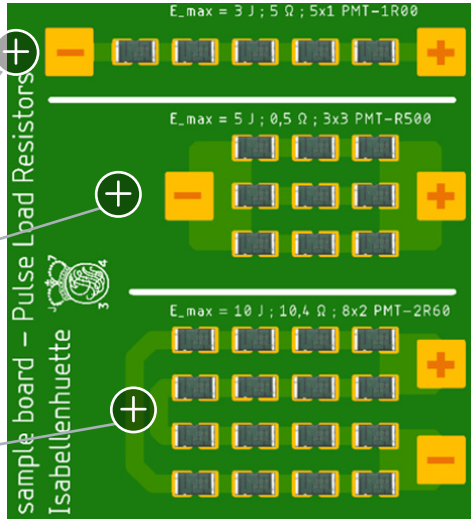
MAXIMUM PULSE ENERGY AND PULSE POWER FOR A SINGLE EVENT (@T_{max} = 170°C)



TECHNICAL FEATURES OF TYPE PMT

Test sample board with PMT types connected in different array options for lab investigations. Depending on the application, a single resistor can be used or several in series and parallel connection to absorb even higher energies.

Load (J)	Array- Resistance (Ω)	Used Part	Array		#Shunts
			series	parallel	
1	0.025	PMT-R050-10.0	4	8	32
1	1	PMT-1R00-10.0	2	2	4
3	5	PMT-1R00-10.0	5	1	5
3	10	PMT-2R50-10.0	4	1	4
5	0.083	PMT-R500-10.0	1	6	6
5	0.5	PMT-R500-10.0	3	3	9
5	0.5	PMT-1R00-10.0	2	4	8
5	1.5	PMT-1R00-10.0	3	2	6
5	1.5	PMT-R500-10.0	6	2	12
10	5	PMT-2R50-10.0	6	3	18
10	10	PMT-2R50-10.0	8	2	16
25	10	PMT-1R00-10.0	20	2	40
50	35	PMT-2R50-10.0	28	2	56



Other configurations are also possible. Please contact us for further information or support for your application.