

TMX4410 Series Marx High Voltage Pulse Generator

**10J-10kJ, 100kV-225kV, rising edge less than 100ns,
pulse width 5ns ~ 100ns.**



Teslaman TMX4410 Series Marx High Voltage Pulse Generator is divided into two parts, which are divided into pulse generator part and rack-mounted charging power supply matched with it. This charging power supply can be selected as TLP2081/TLP2041/TD2202 or TD2200. TLP2081/TLP2041/TD2200 or TD2200 power supply is equipped with digital voltage and current indication, which can be installed in 19" standard cabinet. It can realize linear and stable rise of high voltage output. Among them, Marx generator unit TMX4410 panel has DC high voltage input port, high voltage pulse output port and trigger signal input port.

- Output voltage 100-225kV
- Rising edge less than 100ns
- Pulse width 5ns ~ 100ns
- Over-voltage and short circuit protection
- Voltage and current regulation function
- Digital voltage and current display
- OEM customization available

Typical Application:

As a trigger power supply, used in scientific experiments.

Specification:

Pulse Width: 5ns ~ 100ns (pulse width can be customized), tested with oscilloscope and voltage divider under the condition of 50 Ω high voltage cable (high voltage probe).

Rising Edge Time: less than 100ns, for 50 Ω high voltage cable.

Trigger Mode: Manual/computer control (optical fiber interface).

Output Voltage: 100 ~ 225kV.

Output Energy: The maximum single energy is 10kJ.

Maximum Pulse Current: 225kA.

Frequency: 1Hz.

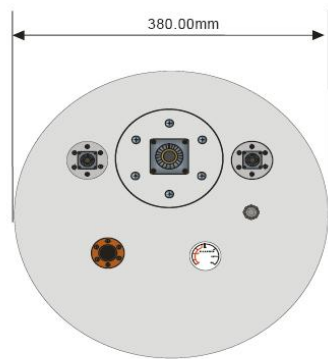
Pulse Generator: Marx sealed with inflation interface.

Shape Reference Dimensions: Height: 710mm, Maximum Cylindrical Diameter: 380mm.

Type Selection Table:

Output Rating		Type of Power Supply		Charger model number	Remarks
kV	J	Positive polarity	Negative polarity		
200	10k	TMX4410P200-10k	TMX4410N200-10k	TLP2081 Series	See corresponding information
200	5k	TMX4410P200-5k	TMX4410N200-5k	TLP2041 Series	See corresponding information
200	1k	TMX4410P200-1k	TMX4410N200-1k	TD2202 Series	See corresponding information
200	100	TMX4410P200-100	TMX4410N200-100	TD2200 Series	See corresponding information
200	10	TMX4410P200-10	TMX4410N200-10	TD2200 Series	See corresponding information
100	10k	TMX4410P100-10k	TMX4410N100-10k	TLP2081 Series	See corresponding information
100	5k	TMX4410P100-5k	TMX4410N100-5k	TLP2041 Series	See corresponding information
100	1k	TMX4410P100-1k	TMX4410N100-1k	TD2202 Series	See corresponding information
100	100	TMX4410P100-100	TMX4410N100-100	TD2200 Series	See corresponding information
100	10	TMX4410P100-10	TMX4410N100-10	TD2200 Series	See corresponding information

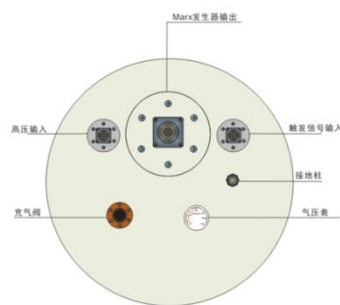
TMX4410 Shape Reference Dimensions:



外圆直径



外形高



The final product size will change, and the physical object shall prevail.