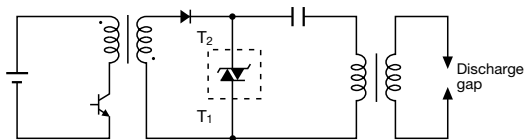


# PNPN Switch

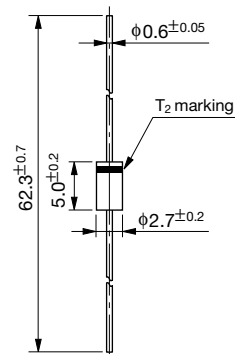
## ET013, ET014, ET015, ET020

Example of application circuit (ignition)



External Dimensions

(Unit: mm)



Weight: Approx. 2.6g

### Absolute Maximum Ratings

Parameter	Symbol	Ratings				Unit	Conditions
		ET013	ET014	ET015	ET020		
Repetitive peak off-state voltage	V <sub>DRM</sub>	90	115	115	170	V	
RMS on-state current	I <sub>T(RMS)</sub>	0.6				A	DC, T <sub>l</sub> ≤ 112°C
Surge on-state current	I <sub>TSM</sub>	80				A	T <sub>a</sub> =25°C, W <sub>p</sub> =10μs, Full-cycle sinewave, 1cycle, Peak value, f=50Hz
Rate-of-rise of on-state current	di <sub>T</sub> /dt	30				A/μsec.	
Junction temperature	T <sub>J</sub>	-40 to +125				°C	
Storage temperature	T <sub>stg</sub>	-40 to +125				°C	

### Electrical Characteristics

Parameter	Symbol	Ratings				Unit	Conditions
		ET013	ET014	ET015	ET020		
Breakeover voltage	V <sub>BO</sub>	120 to 138	133 to 147	142 to 157	190 to 210	V	
Breakeover current	I <sub>BO</sub>	150max	100max			μA	
On-state voltage	V <sub>T</sub>	±2.5				V	I <sub>T</sub> =±10A