

## Description

The PG8DAT series offers high levels of performance on fast rising transients in the domain of 100V/ $\mu$ s to 1KV/ $\mu$ s, which are those most likely from induced Lightning disturbances. The PG8DAT series also features ultra low capacitance ( $\leq 1.5$ pF) and optimised internal geometry which provides low insertion loss at high frequencies, so are ideal for the protection of broadband equipment. These devices are extremely robust and are able to divert a 10,000A pulse without destruction.



(8x10mm)  
PG8DAT Series



## Features

- High insulation impedance
- The fast response
- Stable performance in its service life
- Low capacitance( $\leq 1.5$ pF)
- Voltage Ranges 90V to 600V
- RoHS compliant and Lead-free



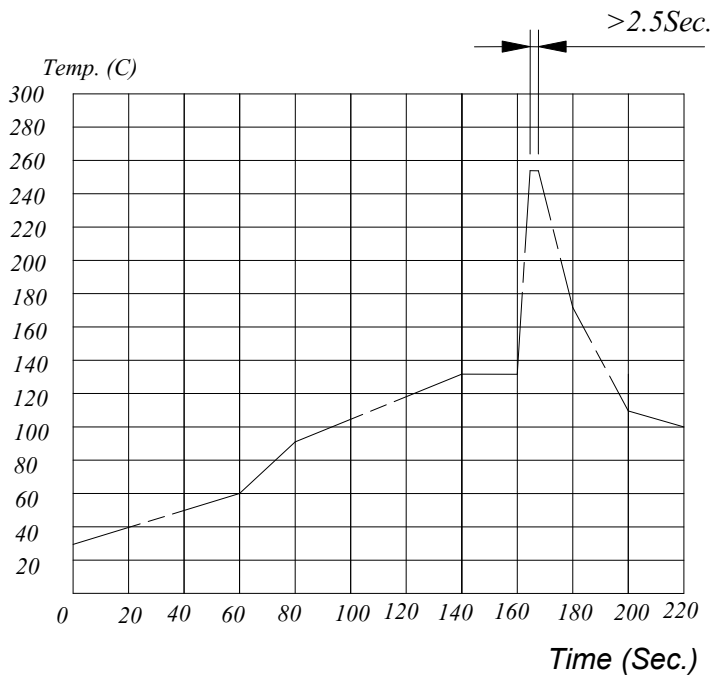
## Applications

- Broadband devices
- CATV and satellite equipment
- SPD and MDF module
- Base station and antenna
- Power supply and RF systems

## Electrical Characteristics

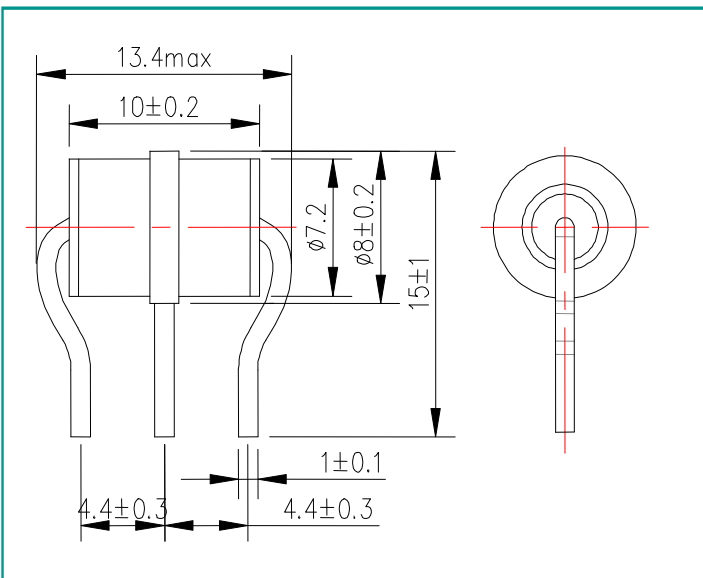
Part No.	DC Breakdown in Volts (@100V/s)	Impulse Breakdown in Volts (@1kV/s) Max.(V)	Insulation Resistance		Capacitance (@1KHz) Max.	Nominal Impulse Discharge Current (@8/20 $\mu$ s)	Nominal Discharge Current (1sec/50Hz)
			Min.	DC			
PG8DATN090A	90 $\pm$ 25%	700	1G $\Omega$	50V	$\leq 1.5$ pf	5.0 kA	5.0 A
PG8DATN230A	230 $\pm$ 20%	800		100V	$\leq 1.5$ pf		
PG8DATN350A	350 $\pm$ 20%	850		100V	$\leq 1.5$ pf		
PG8DATN470A	470 $\pm$ 20%	1050		100V	$\leq 1.5$ pf		
PG8DATN600A	600 $\pm$ 20%	1200		100V	$\leq 1.5$ pf		
PG8DATN090B	90 $\pm$ 25%	700	1G $\Omega$	50V	$\leq 1.5$ pf	10.0 kA	10.0 A
PG8DATN230B	230 $\pm$ 20%	800		100V	$\leq 1.5$ pf		
PG8DATN350B	350 $\pm$ 20%	850		100V	$\leq 1.5$ pf		
PG8DATN470B	470 $\pm$ 20%	1050		100V	$\leq 1.5$ pf		
PG8DATN600B	600 $\pm$ 20%	1200		100V	$\leq 1.5$ pf		

**The wave soldering curve**

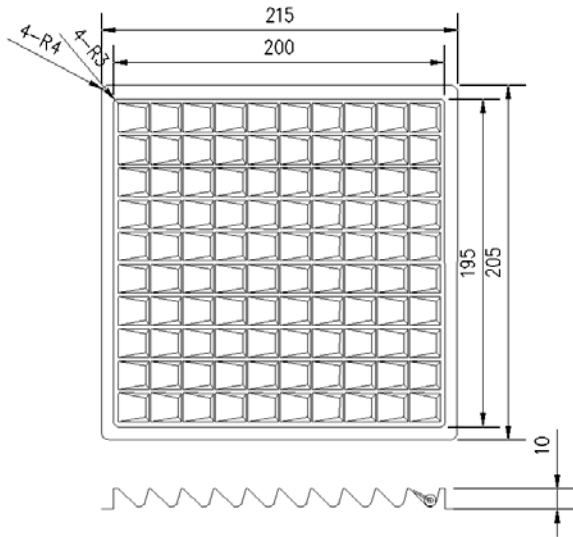


**Device Dimensions** (Unit/mm)

PG8DAT Series



**Package and quantity**



Outline	QTY(PCS) Per Box	QTY(PCS) Inside Package	QTY(PCS) Per Carton	Carton Size (mm)		
				L	W	H
<b>BOX</b>	<b>100</b>	<b>500</b>	<b>5000</b>	<b>480</b>	<b>320</b>	<b>230</b>