

Spark Gap Protectors

Features

- Small Size Design 6.5*2.6*2.6mm
- Voltage range: 140V-600V
- Current Handling Capability: 200A@8/20μs
- Low Capacitance and insertion loss
- Fast Response and long service life
- Pb-free (RoHS compliant) package
- Moisture sensitivity level: Level 1



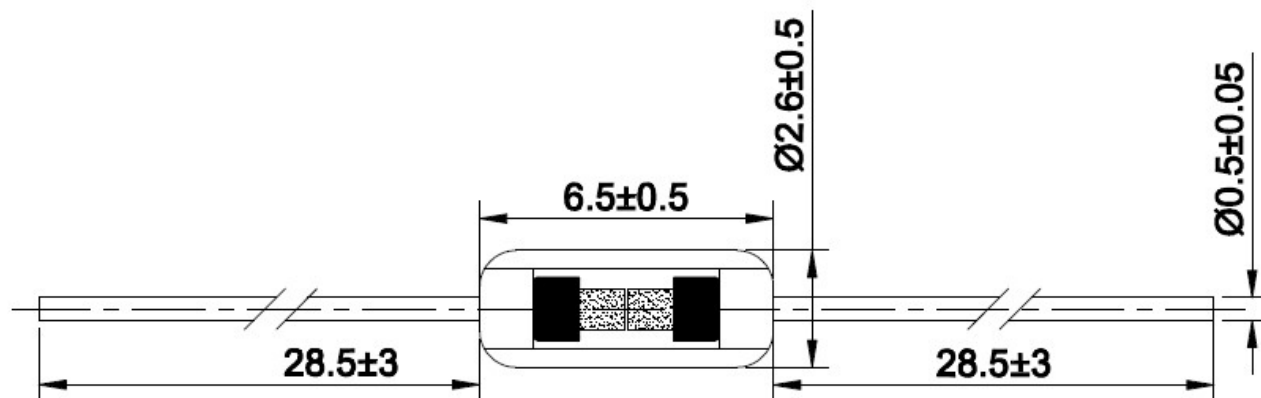
Application

- Communication equipment
- CATV equipment
- Test equipment
- Data lines
- Power supplies
- Telecom SLIC protection
- Broadband equipment
- ADSL equipment, including ADSL2+
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

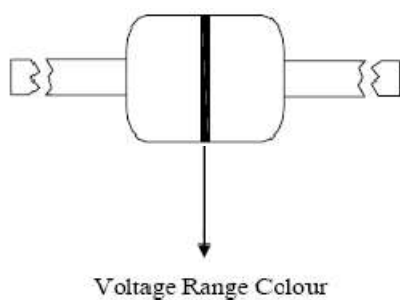
Electrical Characteristics

Catalog Number	DC Spark-Over voltage 100V/S	Impulse Spark-Over voltage 1KV/μs	Nom impulse discharge current 8/20±5T (60S)	Insulation Resistance(DC)	Capacitance 1MHZ<6V
KWGSP-141	140±30% V	600V	200A	50V >100MΩ	<1.0pF
KWGSP-161	160±20% V	600V	200A	50V >100MΩ	<1.0pF
KWGSP-201	200±30% V	700V	200A	100V >100MΩ	<1.0pF
KWGSP-301	300±30% V	900V	200A	100V >100MΩ	<1.0pF
KWGSP-401	400±20% V		200A	100V >100MΩ	<1.0pF
KWGSP-501	500±20% V		200A	250V >100MΩ	<1.0pF
KWGSP-601	600±20% V		200A	250V >100MΩ	<1.0pF

Package outline



Low-Voltage Series Colour Code

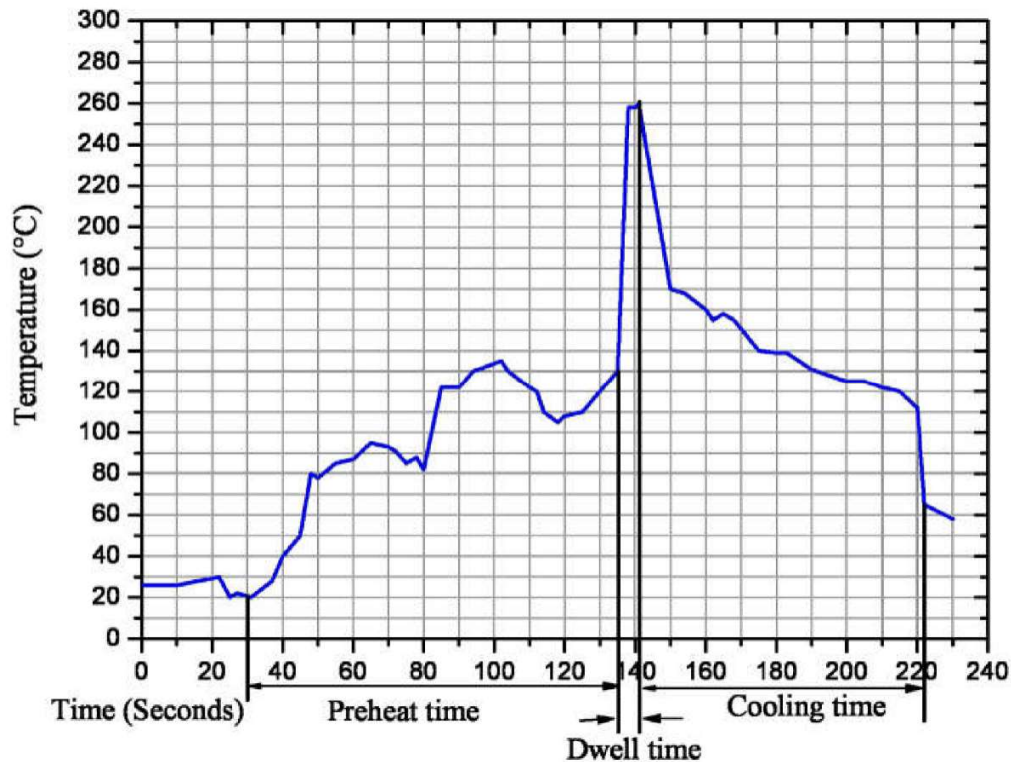


TYPE	Voltage Range Colour
GSP141	Gold
GSP161	Brown
GSP201	Red
GSP301	Orange
GSP401	Yellow
GSP501	Green
GSP601	Blue

Soldering method

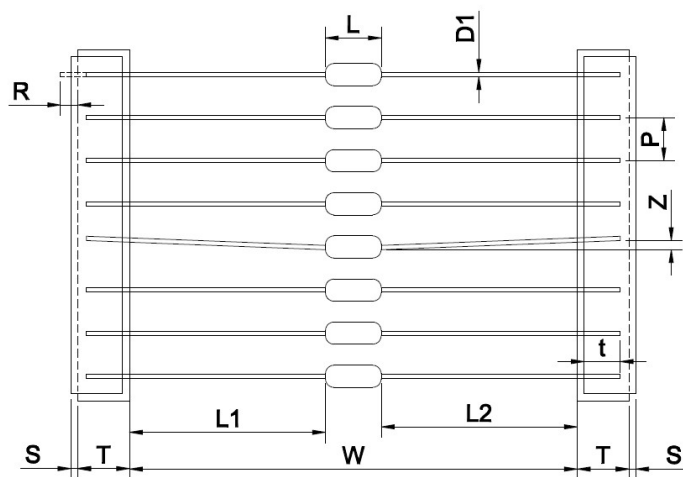
- Soldering Parameters - Hand Soldering
 - Solder Iron Temperature: 350° C +/- 5°C
 - Heating Time: 5 seconds max.

Soldering Parameters - Wave Soldering (Thru-Hole Devices)



Wave Parameter	Lead(Pb) free solder
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260°C
Solder Dwell Time:	2-5 Seconds

Standard Packing



ITEM	Typical (mm)
W	52±1.5
P	5.0±0.5
L1-L2	1Max
T	6.0±1.0
Z	1.2Max
R	Terminals must not project from tape
t	3.2Min
S	0.8Max
D1	Φ0.5±0.05
L	7Max

Packaging type	box-packed (mm)	QTY(PCS) Per box	QTY(PCS) Per Carton	Carton Size (mm)		
				L	W	H
Taping	260*80*70	2000	20000	412	266	185

Note: The relevant parameters of the specification are reference data, please contact the company for details, please provide the latest acknowledgment, the specification is subject to modification without notice.