

Chip Series

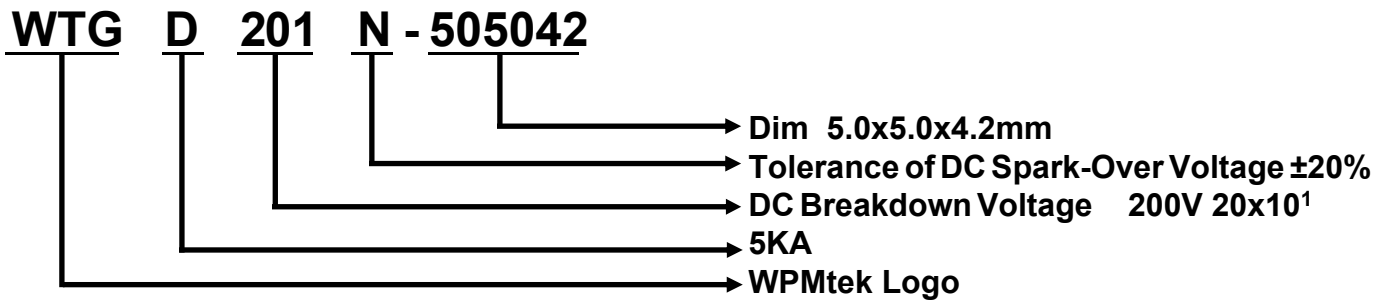
1. High insulation resistance
2. Low capacitance ($\leq 1.0\text{pF}$)
3. 5000A 8/20 μs maximum surge current capacity in accordance with IEC61000-4-5
4. 6KV 10/700 μs maximum surge rating in accordance with ITU-TK.21
5. Surface mounted gas arrester
6. Micro-Gap Design
7. Size 5.0x5.0x4.2mm
8. Storage and operating temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
9. Meets MSL level 1, per J-STD-020
10. Safety certification: E221527



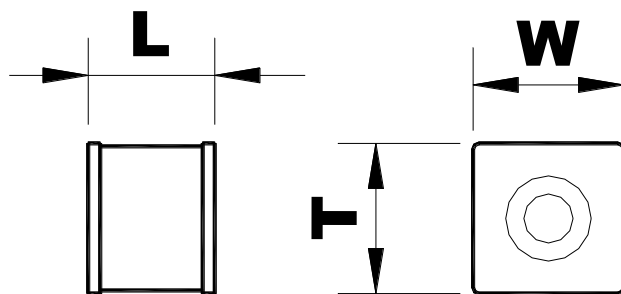
Applications

1. Repeaters, Modems
2. Telephone Interface, Line cards
3. Data communication equipment
4. Line test equipment

How to Order



Drawing



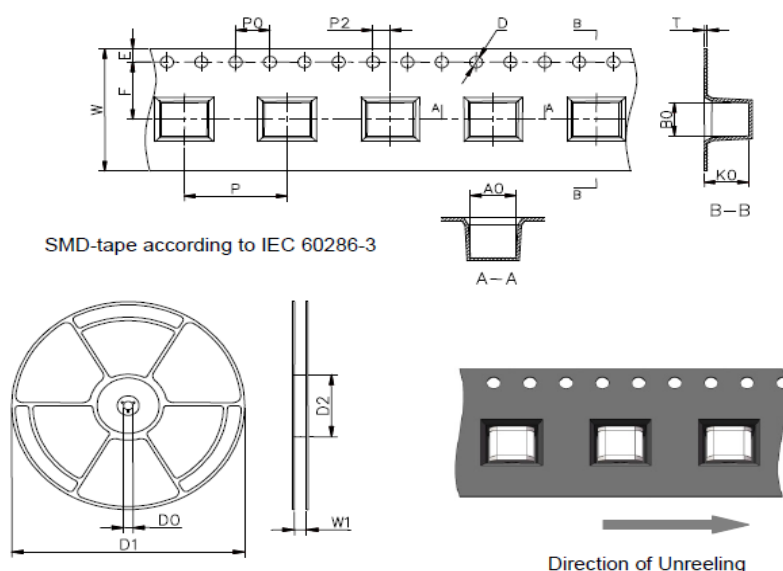
W	5.0 $\pm$ 0.2mm
T	5.0 $\pm$ 0.2mm
L	4.2 $\pm$ 0.3mm

Electrical Specification

Model	DC Breakdown Voltage 100/s	Impulse Discharge Current	Impulse Withstanding Voltage Capacity	Impulse Spark-over Voltage 1kv/us	Insulation Resistance	Capacitance (1MHz 1V)
WTGD750M-505042	75V 55~95	8/20 us 5000A	10/700 us 6kV Positive/ Negative 5 Times	≤ 650v	1GΩ Min (DC 50V)	1 pF Max.
WTGD900M-505042	90V 63~117			≤ 650v		
WTGD121M-505042	120V 84~156			≤ 650v		
WTGD151N-505042	150V 120~180			≤ 650v	1GΩ Min (DC 100V)	
WTGD201N-505042	200V 160~240			≤ 650v		
WTGD231N-505042	230V 184~276			≤ 700v		
WTGD301N-505042	300V 240~360			≤ 700v		
WTGD351N-505042	350V 280~420			≤ 750v		
WTGD401N-505042	400V 320~480			≤ 800v	1GΩ Min (DC 250V)	
WTGD421N-505042	420V 336~504			≤ 850v		
WTGD471N-505042	470V 376~564			≤ 900v		
WTGD501N-505042	500V 400~600			≤ 900v		
WTGD601N-505042	600V 480~720			≤ 900v		
WTGD152N-505042	1500V 1200~1800	8/20 us 3000A		≤ 2500v		

Chip GDT Taping

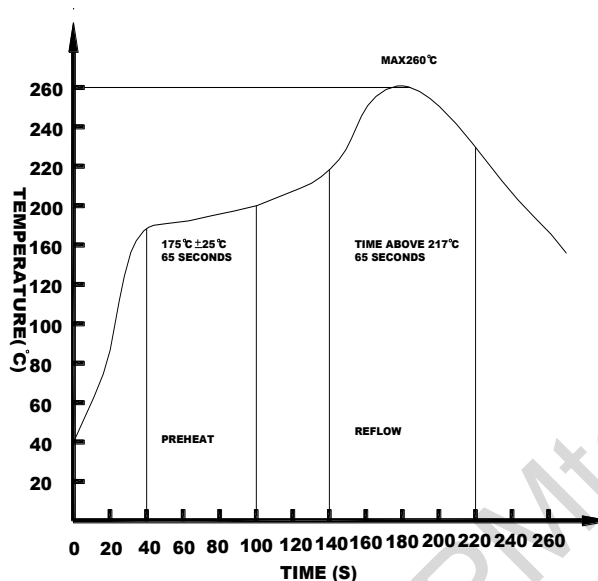
Taping and Reel Specifications



Symbol	Millimeters	Inches
W	16±0.3	0.630±0.012
A0	5.3±0.1	0.209±0.004
B0	4.3±0.1	0.17±0.004
K0	5.2±0.1	0.205±0.004
P	12±0.1	0.472±0.004
F	7.5±0.1	0.295±0.004
E	1.75±0.1	0.069±0.004
D	1.5+0.1/-0.0	0.059+0.004/-0.0
P0	4±0.1	0.157±0.004
P2	2±0.1	0.079±0.004
T	0.4±0.1	0.016±0.004
D0	13.3±0.15	0.524±0.006
D1	330±2	12.992±0.079
D2	100+1/-2	3.937+0.039/-0.079
W1	16.5±0.4	0.65±0.016

OUTLINE	REEL (PCS)	PER CARTON (PCS)	REEL DIAMETERS (mm)	CARTON SIZE(mm)		
				L	W	H
TAPING	1,000	10,000	330	360	360	360

RECOMMENDED SOLDERING PAD AND REFLOW PROFILE



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