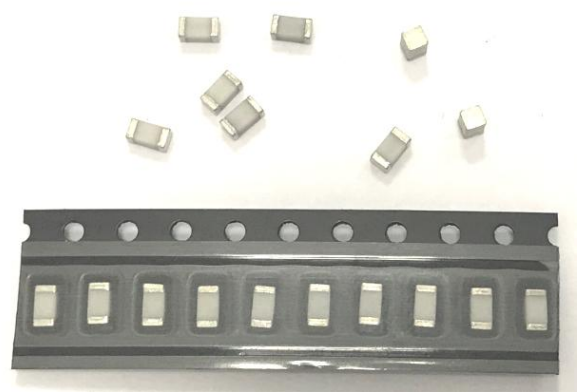


Chip Series

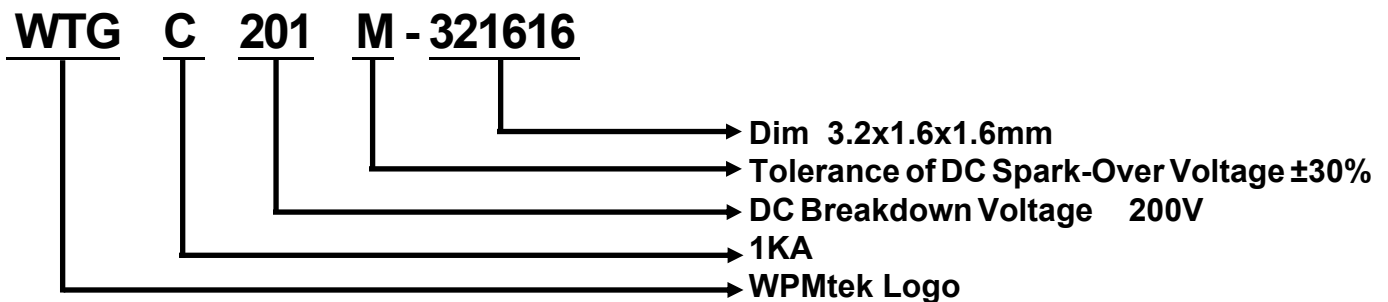
1. High insulation resistance
2. Low capacitance ($\leq 0.5\text{pF}$)
3. 1000A 8/20 μs maximum surge current capacity in accordance with IEC61000-4-5
4. 6KV 10/700 μs maximum surge rating in accordance with ITU-TK.21
5. Surface mounted gas arrester
6. Micro-Gap Design
7. Size 3.2x1.6x1.6 mm
8. Storage 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

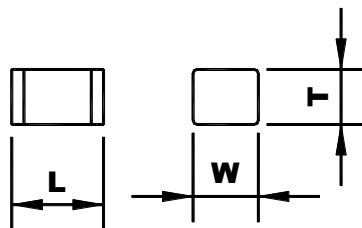
1. Repeaters, Modems
2. Telephone Interface, Line cards
3. Data communication equipment
4. Line test equipment



How to Order

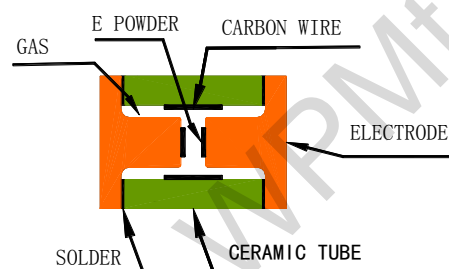
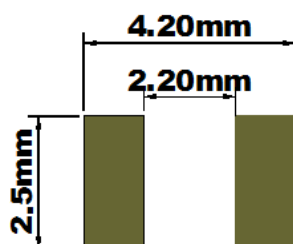


Drawing



W	1.6 \pm 0.3mm
T	1.6 \pm 0.3mm
L	3.2 \pm 1.0mm

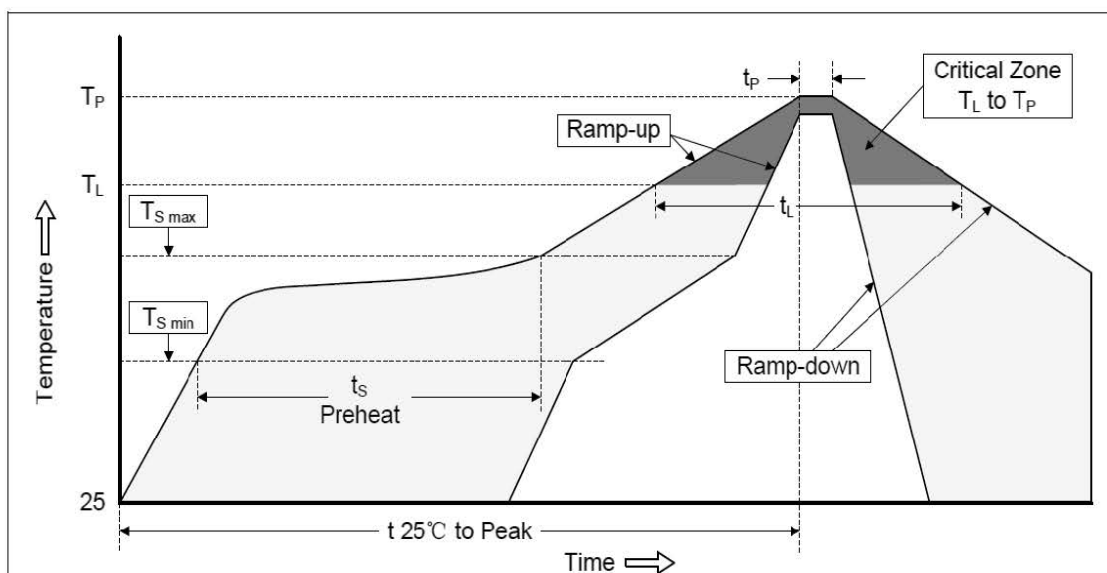
Structure



Electrical Specification

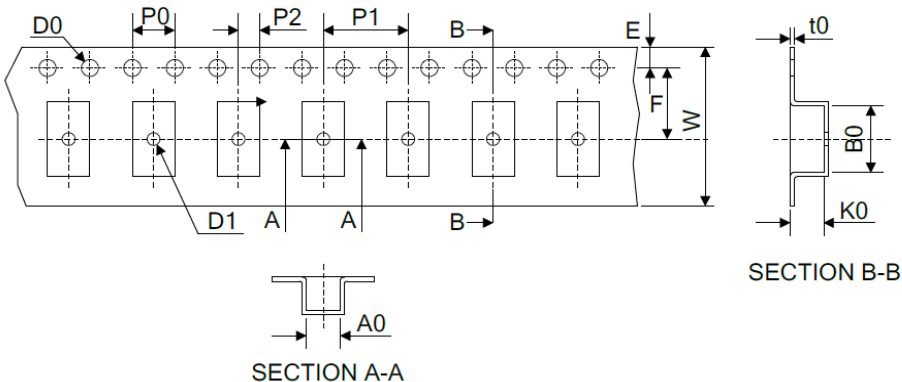
Model	DC Breakdown Voltage 100v/s	Impulse Discharge Current	Impulse Withstanding Voltage Capacity	Impulse Spark-over Voltage 1kv/us	Insulation Resistance	Capacitance (1MHz 1V)	
WTGC091M-321616	90V±30%	8/20μs 1000A Positive/Negative 5 Times	(1KA) 10/700μs 6kV Positive/ Negative 5 Times	<= 650v	1GΩ Min (DC100V)	0.5PF	
WTGC201M-321616	200V±30%			<= 850v			
WTGC231M-321616	230V±30%			<= 950v			
WTGC301M-321616	300V±30%			<= 950v			
WTGC351M-321616	350V±30%			<= 950v	1GΩ Min (DC250V)		
WTGC401M-321616	400V±30%			<= 1050v			
WTGC421M-321616	420V±30%			<= 1050v			
WTGC501M-321616	500V±30%			<= 1200v			

Recommended Soldering Conditions



Profile Feature	Pb-Free Assembly
Average ramp-up rate (T_L to T_P)	3°C/second max.
Preheat	
-Temperature Min ($T_{S\min}$)	150°C
-Temperature Max ($T_{S\max}$)	200°C
-Time (min to max) (t_s)	60-180 seconds
$T_{S\max}$ to T_L	
-Ramp-up Rate	3°C/second max.
Time maintained above:	
-Temperature (T_L)	217°C
-Time (t_l)	60-150 seconds
Peak Temperature (T_P)	260°C
Time within 5°C of actual Peak Temperature (t_p)	20-40 seconds
Ramp-down Rate	6°C/second max.
Time 25°C to Peak Temperature	8 minutes max.

Chip GDT Taping

Tape	Items	Dimension (mm)	
		Spec.	Tolerance
	W	8.00	±0.20
	P0	4.00	±0.10
	P1	4.00	±0.10
	P2	2.00	±0.10
	D0	1.55	±0.05
	D1	1.00	±0.05
	E	1.75	±0.10
	F	3.50	±0.10
	A0	2.00	±0.10
	K0	2.00	±0.10
	B0	3.80	±0.10
	t0	0.30	±0.10
	D	170.00	±2.00
	d	13.00	±0.50
Reel	L	12.00	±2.00
	t	1.20	±0.20
	Quantity: 2500pcs		

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