

Gas Discharge Tubes

2 Electrode High Current Series (2N)

Part Numbering System | Specifications | Dimensions

Part Numbering System

WPGT - **2N** **470** **B** **6** **L** **C** **TA**
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① World Products Gas Discharge Tubes

② Series Code
2N = 2 Electrode High Current Series

③ DC Breakdown Voltage
70 = 70V
75 = 75V
90 = 90V
120 = 120V
130 = 130V
145 = 145V
180 = 180V
230 = 230V
250 = 250V
300 = 300V
350 = 350V
400 = 400V
470 = 470V

④ Diameter (“ D” Dimension)
B = 8mm

⑤ Length (“ T” Dimension)
6 = 6mm
8 = 8mm – High Voltage Series Only

⑥ Lead Type
B = No Leads
L = Axial lead (0.8mm lead diameter)
L1 = Axial lead (1.0mm lead diameter)
A1 = Radial lead (0.8mm lead diameter)
B1 = Radial lead (1.0mm lead diameter)
C1 = Radial lead Clip -in style (1.0mm lead diameter)
D1 = Radial Lead Clip -in style (0.8mm lead diameter)

⑦ Low Capacitance
(Only applicable for 2R & 2N, 70V – 145V)
Nil = Regular Capacitance of 1.5pf
C = Low capacitance of 0.8pf

⑧ Taping Specifications
TA = Taped (Ammo Box)
TR = Tape & Reel

Specifications

Base Part Number	DC Breakdown Voltage (V)	Maximum Impulse Breakdown Voltage (V)		Maximum Impulse Discharge Current (8/20 μ s) (KA)		Alternating Discharge Current (A)		Impulse Life (10/ 1000μ s) (100A)	DC Holdover Voltage (V)	Minimum Insulation Resistance (G?)	Maximum Capacitance (pf)
	100V/s	100V/μ s	1000V/μ s	1 time	10 times (5 times each polarity)	50Hz, 1 sec	Single 9 cycles	times	<150ms	*	1MHz
WPGT-2N70	70 ± 20%	500	600	20	15	20	65	500	52	10	1.5**
WPGT-2N75	75 ± 20%	500	600						52	10	1.5**
WPGT-2N90	90 ± 20%	500	600						52	10	1.5**
WPGT-2N120	120 ± 15%	500	700						52	10	1.5**
WPGT-2N130	130 ± 15%	500	700						52	10	1.5**
WPGT-2N145	145 ± 15%	500	700						52	10	1.5**
WPGT-2N180	180 ± 15%	500	700						80	10	1.5
WPGT-2N230	230 ± 15%	500	700						80	10	1.5
WPGT-2N250	250 ± 15%	500	700						80	10	1.5
WPGT-2N300	300 ± 15%	700	900						150	10	1.5
WPGT-2N350	350 ± 15%	700	900						150	10	1.5
WPGT-2N400	400 ± 15%	800	1000						150	10	1.5
WPGT-2N470	470 ± 15%	1000	1200						150	10	1.5

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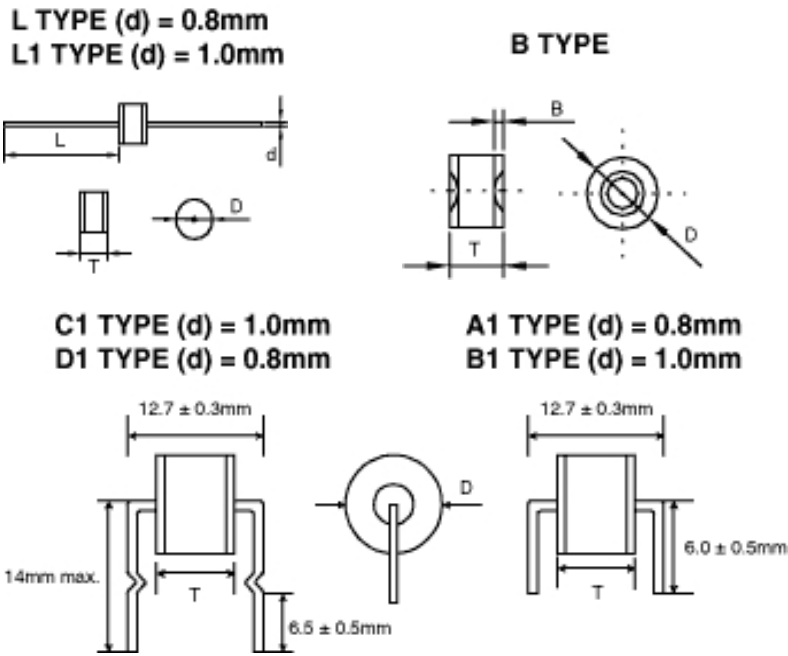
*DC Breakdown Voltage DC Measuring Voltage
70-90V 50V
120-400V 100V
470V 250V

** May be offered with 0.8pf capacitance rating.
See part numbering system for special coding.

Dimensions

Unit: mm

Item	Dimensions
D	8.0 ±0.3
T	6.0 ±0.3
d	0.8 or 1.0 ±0.05
L	24 Min.



Gas Discharge Tubes		
General Characteristics		
Features	2 Electrode Mini (2RM)	Packaging
Temperature Rating	2 Electrode Standard and High Voltage (2R)	Standard Bulk Packaging
100% Inspection	2 Electrode High Current (2N)	Tape & Reel Specifications
RoHS Information	2 Electrode Extremely High Current Series (20B)	
Solderability	2 Electrode Switching Series (2T)	
Part Marking	3 Electrode Mini (3RM) and Standard (3R) Series	
Terms and Definitions	2 Electrode Surface Mount Mini (2SM), Surface Mount (2S), Surface Mount Mini Square (2SS) and Surface Mount Chip (4532) Series	
	3 Electrode Surface Mount Mini (3SM and 3SSM) Series	

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