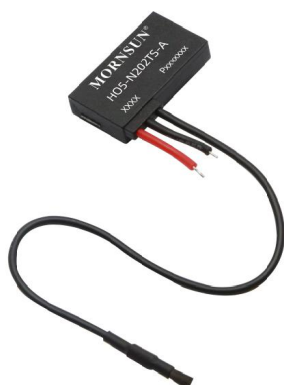


Ten Million level negative-ion generator



The negative ion concentration of HO5-N202TS-A as high as tens of millions of pcs/cc, which can activate oxygen molecules in the air, effectively improve air quality, and bring the negative ion ecological bath effect of fresh forest air to the human body. Negative ions can neutralize static electricity and tighten the cuticles of the hair. In the field of hair care, it has the effect of moisturizing the hair and making the hair healthy and shiny. It can be widely used in air purifiers, negative-ion hair dryers, negative-ion hair curlers, negative-ion combs and other devices.

FEATURES

- Ultra-small size: 22*12*4.5mm
- Input voltage range 3.2~3.8VDC
- Output voltage up to -3000VDC
- Negative ion concentration > 30 million pcs/cc
- Ozone concentration as low as 0.05ppm
- Ultra wide working temperature range: -25℃ to +71℃

Negative-ion Concentration

Certification	Part No.	Input Voltage (VDC)	Input Current (mA)	Output Voltage (VDC)		Anion concentration (pcs/cc)	Ozone concentration (ppm)
		Nominal (Range)	Typ.	Typ.	Guaranteed range	Typ.	Max.
--	HO5-N202TS-A	3.6 (3.2~3.8)	3	-2000V	-1000V~-3000V	10 million	0.05

Environmental Characteristics

Item	Operating Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		-25	--	+71	℃
Operating Temperature Rise	Shell operation temperature rise	--	--	45	K
Storage Temperature		-40	--	+85	℃
Storage Humidity	Non-condensing	5	--	85	%RH

Reliability Performance

Item	Operating Conditions	Specifications
Vibration	10-150Hz, 5G, 0.75mm. along X, Y and Z, 6 hours	After the test, there is no abnormality in electrical and Mechanical properties
Temperature Shock	-40~+85℃, 500 temperature shock cycles	
High Temperature Storage	85±2℃, 500 hours	
High Humidity Storage	85±2℃, 85%RH, 500 hours	
Cryogenic Storage	-40±2℃, 500 hours	
High Temperature Aging	71±2℃, 500 hours	
High Humidity Aging	71±2℃, 80%RH, 500 hours	

Other Performance

EMI	Conductive radiation	CISPR32/EN55032 CLASS B
	Radiation disturbance	CISPR32/EN55032 CLASS B
EMS	Electrostatic discharge	IEC/EN61000-4-2 Contact $\pm 6\text{kV}$ perf. Criteria B
Safety	Insulation resistance	Insulation resistance between input and output $> 15\text{M}\Omega$
	Dielectric strength	High voltage testing of more than 3000V/min between input line, gram body and launch pin
	Leakage current	Leakage current between input line, gram body and firing pin $< 0.5\text{mA}$

Appearance Dimension

Dimensions	22.0*12.0*4.5mm (see Fig.1)
Weight	2.5g (Typ.)

THIRD ANGLE PROJECTION 

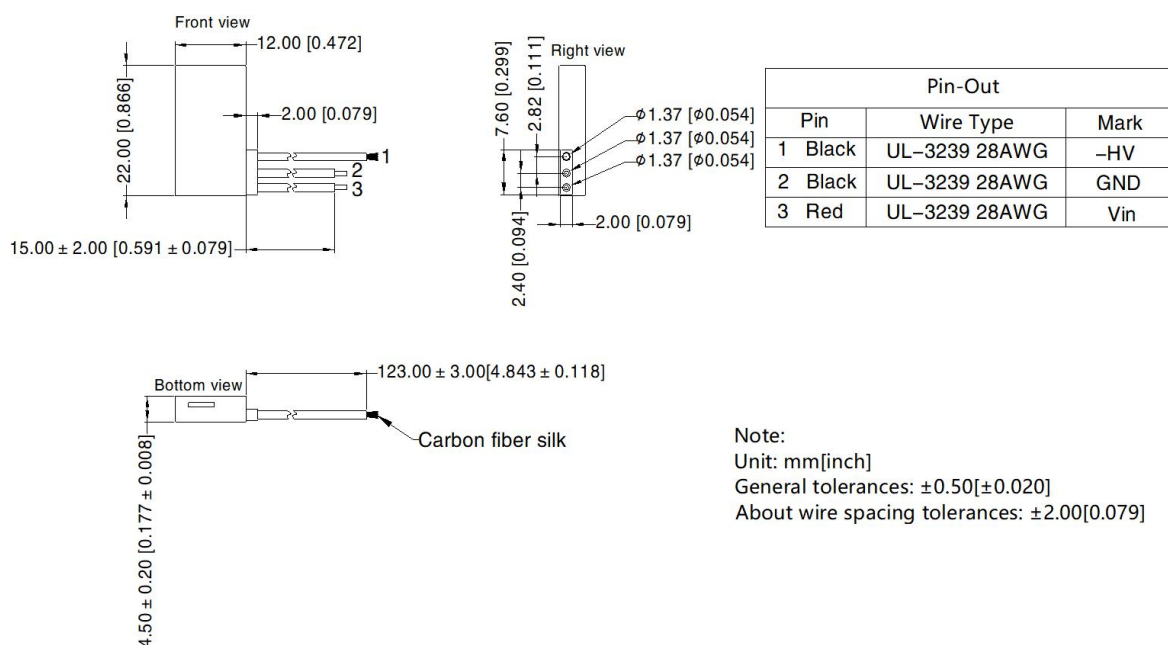


Fig.1

Notes:

1. For additional information please refer to Product Packaging Information. Packaging bag number: 58210179;
2. Unless otherwise specified, parameters in this datasheet were measured under the conditions of $T_a=25^{\circ}\text{C}$, humidity<75%RH with nominal input voltage and rated output load;
3. All index testing methods in this datasheet are based on our company corporate standards;
4. We can provide product customization service;
5. Our products shall be classified according to ISO14001 and related environmental laws and regulations, and shall be handled by qualified units.

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