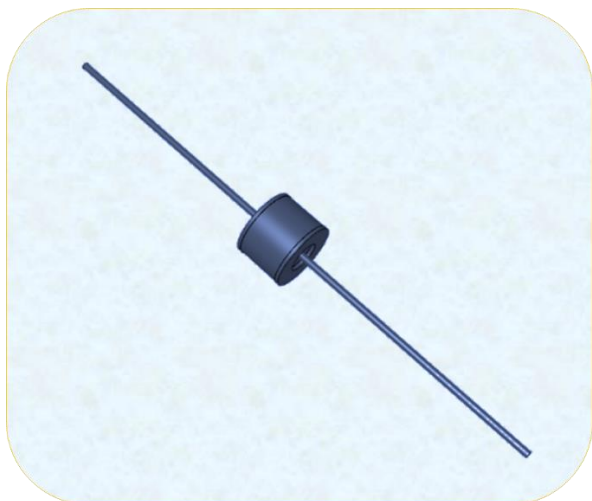


GAS DISCHARGE TUBE**DESCRIPTION:**

The ALPH2R8300HL is 8mm diameter, 6mm long gas discharge tube with high surge current rating and stable breakdown throughout life.

ALPH2R8300HL can be used in Telecommunication, Industrial / Commercial / Consumer electronics, Automotive, Aircraft and Military electronics.

FEATURES:

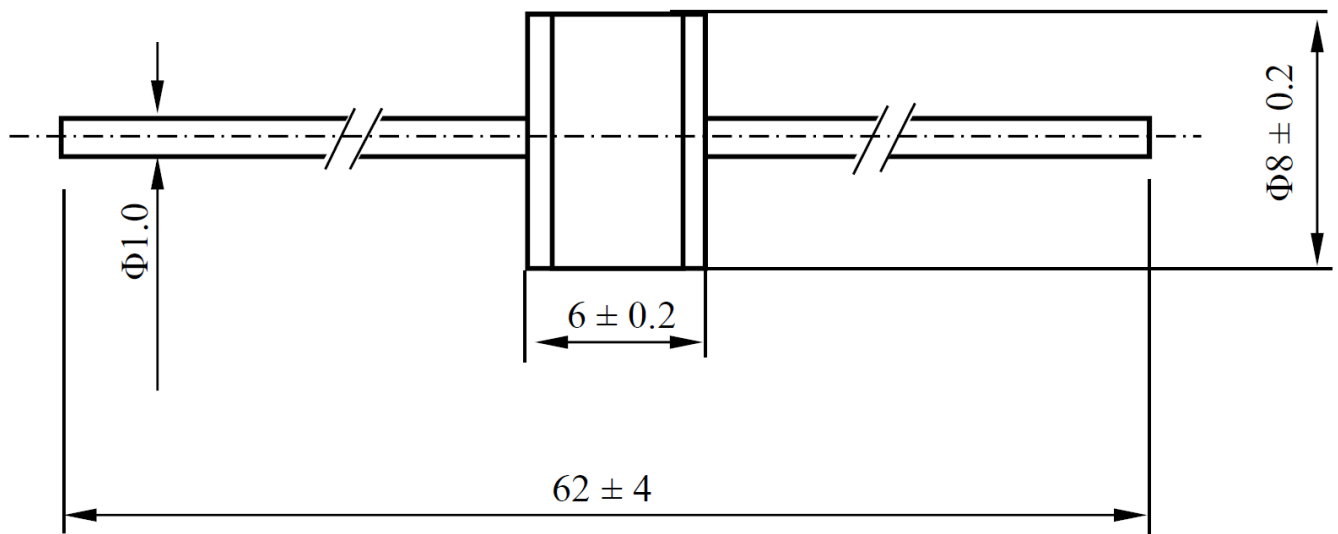
- RoHS compliant and Lead- free
- Non-Radioactive
- Low capacitance (1pF)
- Fast Response-time, High Insulation Resistance.
- Small size: Ø8x6(mm)

APPLICATIONS:

- PCI Cards protection
- Telephone/Fax/Modem protection
- Single line protection
- ADSL/XDSL Splitter, Power Supply
- Surge Protection Device/Surge Protector

TYPICAL DEVICE CHARACTERISTICS

ELECTRICAL CHARACTERISTICS			
PART NUMBER	PARAMETER	VALUES	UNIT
ALPH2R8300HL	Nominal Dc spark-over voltage @ 100V/S*#	225 ~ 500	V
	Maximum impulse spark-over voltage @ 1000V/μs	700	V
	AC discharge current (50Hz, 9 Cycle)	100	A
	Impulse discharge current 8/20μs, 10 times	10	KA
	Minimum insulation resistance @ 100V	10000	MΩ
	Maximum capacitance @ 1MHz	1	pF
	Weight	~ 10	g
	Operation and storage temperature	-40 ... +90	°C
	Climatic category (IEC 60068-1)	40/90/21	
NOTE: * - At delivery AQL 0.65 level II Military Standard 105E. # - In ionized mode.			

PACKAGE INFORMATION
DIMENSION: Millimetre (mm)
MARKING: Blue (Color), 2R 300 YY (300 - Nominal Voltage, YY - Year of Production)




beyond boundaries...

ALPH2R8300HL

CUSTOMER NOTE:

DISCLAIMER

The product information and the selection guide facilitates the selection of the ALPINESEMI™'s Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review the Data sheet(s) so as to confirm that the Device(s) meets functionality parameters for your application. The information furnished on the Data Sheet and the ALPINESEMI™'s Web Site is believed to be accurate and reliable at the time of preparation of this document. ALPINESEMI™ however, does not assume any inaccuracies that may arise when the components are mounted and removed. Furthermore, ALPINESEMI™ does not assume liability whatsoever, arising out of the application or the use of any of ALPINESEMI™'s product(s). Neither, does it convey any license under its patent rights nor the rights of others. These products are not guaranteed for use in life saving/support appliances or systems. ALPINESEMI™'s customers using these products (either as individual Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and ALPINESEMI™ will not be responsible in any way(s) for any damage(s) resulting from such use.

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Component Disposal Instructions

1. ALPINESEMI™ Semiconductor Devices are RoHS compliant and hence customers are requested to dispose as per the prevailing Environmental Legislation put forth in their specific country.
2. In Europe, please dispose as per EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).



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