



ZEONICS SYSTECH
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



High Voltage Dividers



The Dividers are used for measuring of High Voltages like DC Voltages, Pulse Voltages, and AC Voltages, and can be used in situ and out of situ where it can be used as measuring equipment coupled with an oscilloscope as well as it can be also used for generating feedback for controlling certain equipment. The Dividers have ratios typically of 1000:1 or 10000:1 depending upon the application and demand of the customer.

Proudly Made in INDIA





The Divider mentioned over here Type No Z/34/152 is essentially a Pulse Divider which can measure AC, DC as well as Pulse Voltage. This also comes in the family of Compensated Dividers.

Specifications

- | | |
|---------------------------|-------------------------|
| 1. Working Voltage | : 150kV DC/225kV Pulses |
| 2. Ratio | : 10,000: 1 |
| 3. Composition | : R & C Type P |
| 4. Maximum DC Voltage | : 150kV |
| 5. Maximum pulsed Voltage | : 230kV |
| 6. Maximum frequency | : 10MHz |
| 7. Cable length | : 30 feet |
| 8. DC Accuracy | : 1% |
| 9. 10Hz - 1MHz Accuracy | : 3% |
| 10. >1MHz Accuracy | : 5% |
| 11. Resistance | : 2000Mega ohms |
| 12. Height | : 75cms |
| 13. Diameter | : 29cms |
| 14. Capacitance | : 27pF |
| 15. Base Diameter | : 30cms approximate |



Fig A



Fig B

Specifications

For A:

1. Maximum Voltage : 150kV Pulse
2. Loading Capacitance : 20pF
3. Rise time : up to 100 ns
4. Ratio : 10000:1
5. Cable : 50Ω matching impedance cable with BNC output
6. Type No. : Z/32/8

For B:

1. Maximum Voltage : 300kV D.C. \pm 2% Assembly divider
2. Display : 4½ digit led
3. Ratio : 1000:1
4. Type No : Z/40/68 (Y-1152)

Advantages

The dividers are very rugged, compact and work for a very large temperature range of -20° to +85°C. The Dividers do not load the circuit as they have very less capacitance (in Pico farad range) on the load.

Installation requirements

There are no specific Installations requirements for this divider. Dividers can be kept inside the cabinet or outside the cabinet for measurement purpose as far as the High Voltage clearance are met.

The Divider will work in either vertical or horizontal positions. The Divider has got its own internal capacitance system and as a Divider it works by giving the respected signals in the output.

This can be used for High Frequency AC upto a Frequency of 10MHz, and can also be used for High Voltages upto a level of 150kV DC or 225kV Pulse.

Types available

There are several versions available by way of Voltages, and also by way of ratios depending upon what is required one can let us know and we can manufacture the same.

Testing

The Dividers are tested in House for most of the voltages and calibrated, in case these are required to be tested for outside agencies the same can be done at an extra cost.

Contact :

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