

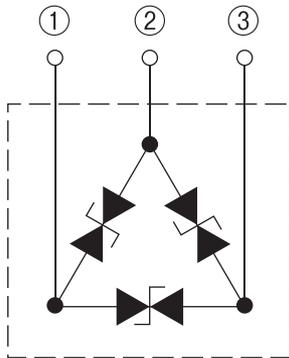
RSP-DC series is surge protective device for DC power circuit, protects line-in driver, receiver IC from indirect lightning surge, static electricity.

Features

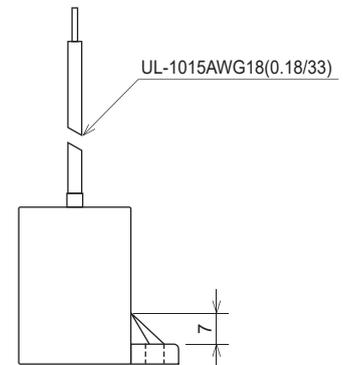
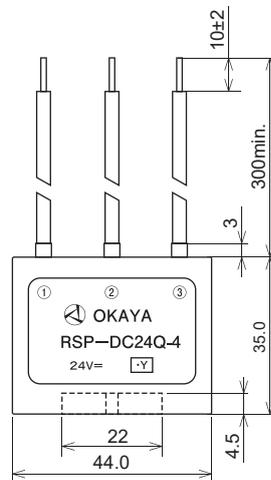
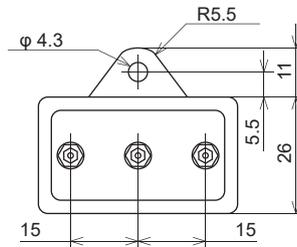
- Quick response for surge
- Internal resistance is very small at work
- Able to withstand impulse due to mesa-shaped chip
- Complex product of silicon surge absorber



Circuit

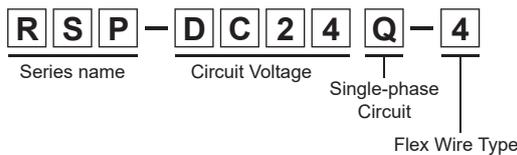


Dimensions



Tolerances: ±1.0
Unit: mm

Model Numbering System



Electrical Specifications

Model Number	DC Circuit Voltage (V)	Nominal Breakdown Voltage ±10%		Maximum Working Voltage		Rated Peak Impulse Current 1.2/50µs-8/20µs	
		V _{BR} (V)	I _T (mA)	V _{WM} (V)	I _R (µA)	I _{PPM} (A)	V _C (V)*
RSP-DC05Q-4	5	7.5	10	6.63	2,000	1,161	180
RSP-DC12Q-4	12	18.0	1	14.50	10	554	110
RSP-DC24Q-4	24	33.0		26.80		305	90
RSP-DC48Q-4	48	68.0		55.10		148	130
RSP-DC60Q-4	60	82.0		66.40		128	150

*V_C of maximum impulse rating includes voltage rise of code impedance.

Operating Temperature: -40~+85°C

Please set shortest possible length when connect the cord to prevent voltage rise.

<Term meaning> Breakdown voltage (V_{br}): Current that starts to flow the avalanche current. Between terminals voltage that flows current (I_T(mA)).

Stand voltage (V_{wm}): Maximum voltage capable to apply continuously between terminals.

Maximum impulse rating : Current value capable to flow the surge current (8/20µsec) between terminals.