



VT-SP1
Small amplifier built-in speaker



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model				VT-SP1
Type				Expansion unit,Speaker unit
General specifications	Current consumption.			150 mA or less
	Power voltage			24 VDC ±20%
	Vibration resistance	Intermittent vibration	Frequency: 5 to 9 Hz	Half amplitude : 3.5 mm 0.14"" ^{*1}
			Frequency: 9 to 150 Hz	Acceleration : 9.8 m/s² 32.2'/s² ^{*1}
		Continuous vibration	Frequency: 5 to 9 Hz	Half amplitude : 1.75 mm 0.07"" ^{*1}
			Frequency: 9 to 150 Hz	Acceleration : 4.9 m/s² 16.1'/s² ^{*1}
	Structure			Panel-mount type
	Overvoltage category			I
	Noise resistance			1500 Vp-p or more, Pulse duration: 1 μs, 50 ns (based on noise simulator)
	Withstand voltage			1500 VAC for one minute (between power terminal and housing)
	Insulation resistance			50 MΩ or more (between power terminal and housing, with 500 VDC megohmmeter)
	Operating environment			No dust, corrosive gases, or other harmful substances present
	Ambient operating temperature			0 to +50°C 32 to 122°F
	Ambient operating humidity			35 to 85% (no condensation)
	Storage ambient temperature			−10 to +60°C 14 to 140°F (no freezing)
Ambient storage humidity			35 to 85% (no condensation)	
Weight			Approx. 180 g	
Performance specifications Input				ø3.5 mm ø0.14" mini jack
Performance specifications Sound pressure level				Max. 86 dB (at 1 m 3.3') *2
Performance specifications Volume				10 levels
Power supply terminal specifications Wire size				AWG12-24
Power supply terminal specifications Tightening torque				0.4 N·m
Power supply terminal specifications Wire material				Copper
Power supply terminal specifications Line type				Solid/stranded
Power supply terminal specifications Electric wire temperature rating				70°C 158°F
Note				Mounting hole: ø30, DC power supply

*1 Compatible with JIS B3502, IEC 61131-2
Scan times : 10 times in each of X, Y, and Z directions (for 100 min.)

*2 The sound pressure level varies depending on the sound source, usage environment, and used voltage.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

vt-sp1_dimension_01.gif

