

VITA Conduction Cooled Assemblies



Order and manage one part number for entire CCA assembly including part marking and component labeling as well as card-locks, extractors, coding keys, EMC gaskets, and thermal pads.

FEATURES

Full design services including thermal analysis

Fast turnaround 3D printed CCA's and frames for fit checks

Downloadable standards compliant CAD templates - 3 U and 6 U templates available

Available in black anodize, chemical film, electroless nickel finishes

ESD Packaging Available



SPECIFICATIONS

Table 1/2

Catalog Number	Works With	Clamp Force	Gap Width	Design Feature	Thermal Performance	Profile
3U260VITA30.1PS-700	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)		Better	6.35 x 6.26 mm
3U260VITA46.0PS-700	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)		Better	6.35 x 6.26 mm
3U260VITA48.2PS-311	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)	Tolerance Compensating	Better	6.35 x 6.26 mm
3U260VITA48.2SS-311	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)	Tolerance Compensating	Better	6.35 x 6.26 mm
3UVPX48.2-PS260HTSI-311	Conduction Cooled Enclosures	272 – 318kgf	PCB + (7.0 - 7.9 mm)	Tolerance Compensating	Best	6.35 x 6.26 mm
6U260IEEE1101.2PS-700	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)		Better	6.35 x 6.26 mm
6U260VITA30.1PS-700	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)		Better	6.35 x 6.26 mm
6U260VITA46.0PS-700	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)		Better	6.35 x 6.26 mm

Catalog Number	Works With	Clamp Force	Gap Width	Design Feature	Thermal Performance	Profile
6U260VITA48.2PS-311	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)	Tolerance Compensating	Better	6.35 x 6.26 mm
6U260VITA48.2SS-311	Conduction Cooled Enclosures	136 – 181kgf	PCB + (7.0 - 7.9 mm)	Tolerance Compensating	Better	6.35 x 6.26 mm

Table 2/2

Catalog Number	Rack Height	Complies With	Orientation	Finish	Material
3U260VITA30.1PS-700	3U	ANSI/VITA 30.1-2008	Primary		Aluminum
3U260VITA46.0PS-700	3U	ANSI/VITA 46.0-2019	Primary		Aluminum
3U260VITA48.2PS-311	3U	ANSI/VITA 48.2-2020	Primary	Black Anodized	Aluminum
3U260VITA48.2SS-311	3U	ANSI/VITA 48.2-2020	Secondary	Black Anodized	Aluminum
3UVPX48.2-PS260HTSI-311	3U				Aluminum
6U260IEEE1101.2PS-700	6U		Primary		Aluminum
6U260VITA30.1PS-700	6U	ANSI/VITA 30.1-2008	Primary		Aluminum
6U260VITA46.0PS-700	6U	ANSI/VITA 46.0-2019	Primary		Aluminum
6U260VITA48.2PS-311	6U	ANSI/VITA 48.2-2020	Primary	Black Anodized	Aluminum
6U260VITA48.2SS-311	6U	ANSI/VITA 48.2-2020	Secondary	Black Anodized	Aluminum

ADDITIONAL PRODUCT DETAILS

From time to time, nVent may modify its product specifications to be in conformity with applicable industry, military or other relevant standards. Unless otherwise mutually agreed in writing, cancelled or superseded military specifications may be certified to the latest or superseding specifications. Products manufactured in conformity with such specifications will be deemed fully compliant whether or not you have been notified of such modifications, even if different from the original specification or those referenced by the customer.

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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