Power-one®   www.power-one.com
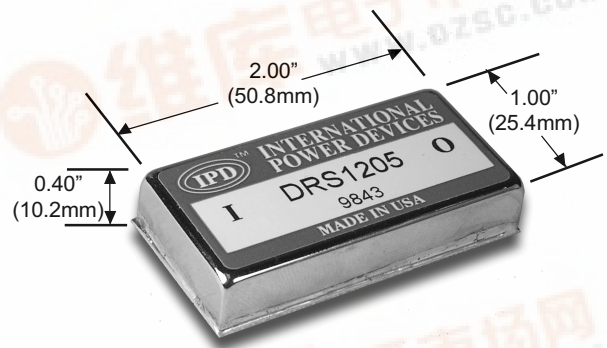
DRS SERIES - 1.25 WATT

DESCRIPTION

DRS DC/DC converters offer excellent regulation and isolation in an industry standard package. Available in several input versions, the DRS is ideal for industrial, datacom, or telecom applications. The DRS features short circuit protection and 500 VDC isolation. Please see the DRD series for dual output applications.

FEATURES

- Industry Standard Package
- Industry Standard Pinout
- 85°C Case Operation
- Short Circuit Protection
- 5, 12, 24, 28, and 48V Inputs
- Input Pi Filter and 6-Sided Shielding
- Regulated Output
- 500V Isolation

Selection Chart			
Model	Input Range VDC	Output VDC	Output Current
DRS505	4.65 - 5.50	5	0.250
DRS512	4.65 - 5.50	12	0.160
DRS515	4.65 - 5.50	15	0.130
DRS1205	10.90 - 13.20	5	0.250
DRS1212	10.90 - 13.20	12	0.160
DRS1215	10.90 - 13.20	15	0.130
DRS2405	21.60 - 26.40	5	0.250
DRS2412	21.60 - 26.40	12	0.160
DRS2415	21.60 - 26.40	15	0.130
DRS2805	25.20 - 30.80	5	0.250
DRS2812	25.20 - 30.80	12	0.160
DRS2815	25.20 - 30.80	15	0.130
DRS4805	43.20 - 52.80	5	0.250
DRS4812	43.20 - 52.80	12	0.160
DRS4815	43.20 - 52.80	15	0.130

Note: For model options, see the last page of this file.

OPTIONS

When ordering equipment options, use the following suffix information. Select the option(s) that you prefer and add them to the model number. Example ordering options are located below the options table.

OPTION	SUFFIX	APPLICABLE SERIES	REMARKS
Negative Logic	N	HAS, HBD, HBS, HES, LES, QBS, QES, TES, TQD	TTL "Low" Turns Module ON TTL "High" Turns Module OFF
Lucent Compatible Trim	T	HAS, HBD, HBS, HES, QBS, QES	
Terminal Strip	TS	XWS, XWD, XWT	
Trim	1	IAS, LES	
Enable	2	IAD, IAS, LES, SMS	
Trim and Enable	3	IAS, LES	
Current Share	4	SMS	
Headerless	Y	Encapsulated EWS, IWS, OWS	
PIN LENGTH AND HEATSINK OPTIONS			Standard Pin Length is 0.180" (4.6mm)
0.110" (2.8mm) Pin Length	8	All Units (Except SMS)	
0.150" (3.8mm) Pin Length	9	All Units (Except SMS)	
0.24" (6.1mm) Horizontal Heatsink	1H	All Units (Except DIP, SIP, and SM Packages)	Includes Thermal Pad
0.24" (6.1mm) Vertical Heatsink	1V	All Units (Except DIP, SIP, and SM Packages)	Includes Thermal Pad
0.45" (11.4mm) Horizontal Heatsink	2H	All Units (Except DIP, SIP, and SM Packages)	Includes Thermal Pad
0.45" (11.4mm) Vertical Heatsink	2V	All Units (Except DIP, SIP, and SM Packages)	Includes Thermal Pad
0.95" (24.1mm) Horizontal Heatsink	3H	All Units (Except DIP, SIP, and SM Packages)	Includes Thermal Pad
0.95" (24.1mm) Vertical Heatsink	3V	All Units (Except DIP, SIP, and SM Packages)	Includes Thermal Pad

Example Options: HBS050ZG-ANT3V = HBS050ZG-A with negative logic, Lucent compatible trim, and 0.95" vertical heatsink.
LES015YJ-3N = LES015YJ with optional trim and enable, negative logic.
QBS066ZG-AT8 = QBS066ZG-A with Lucent compatible trim and 0.110" pin length.

NUCLEAR AND MEDICAL APPLICATIONS   Power-One products are not authorized for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems without the express written consent of the President of Power-One, Inc.

TECHNICAL REVISIONS   The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.