

**DAM-2F SERIES, 2WATT, 3KVDC, ISOLATED, UNREGULATED**

**FEATURES:**

- ✓ 3000Vdc isolation voltage
- ✓ Single and dual output models
- ✓ High efficiency, and low ripple & noise
- ✓ Operating temperature range -40°C to +85°C
- ✓ 3 year warranty



Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)		Efficiency Typ.
			Min.	Max.	
DAM2-0511F	5(4.5~5.5)	5	40	400	72%
DAM2-0512F		9	22.2	222	76%
DAM2-0513F		12	16.6	166	79%
DAM2-0514F		15	13.3	133	78%
DAM2-0515F		24	8.3	83	79%
DAM2-0521F		±5	20	200	81%
DAM2-0522F		±9	11.1	111	82%
DAM2-0523F		±12	8.3	83	82%
DAM2-0524F		±15	6.7	67	80%
DAM2-0525F		±24	4.2	42	80%
DAM2-1211F	12(10.8~13.2)	5	40	400	71%
DAM2-1212F		9	22.2	222	76%
DAM2-1213F		12	16.6	166	78%
DAM2-1214F		15	13.3	133	79%
DAM2-1215F		24	8.3	83	78%
DAM2-1221F		±5	20	200	80%
DAM2-1222F		±9	11.1	111	80%
DAM2-1223F		±12	8.3	83	80%
DAM2-1224F		±15	6.7	67	81%
DAM2-1225F		±24	4.2	42	82%
DAM2-1511F	15(13.5~16.5)	5	40	400	78%
DAM2-1512F		9	22.2	222	78%
DAM2-1513F		12	16.6	166	78%
DAM2-1514F		15	13.3	133	78%
DAM2-1515F		24	8.3	83	80%
DAM2-1521F		±5	20	200	81%
DAM2-1522F		±9	11.1	111	81%
DAM2-1523F		±12	8.3	83	82%
DAM2-1524F		±15	6.7	67	83%
DAM2-1525F		±24	4.2	42	83%

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output current (mA)		Efficiency Typ.
			Min.	Max.	
DAM2-2411F	24(21.6~26.4)	5	40	400	73%
DAM2-2412F		9	22.2	222	78%
DAM2-2413F		12	16.6	166	78%
DAM2-2414F		15	13.3	133	79%
DAM2-2415F		24	8.3	83	81%
DAM2-2421F		±5	20	200	81%
DAM2-2422F		±9	11.1	111	82%
DAM2-2423F		±12	8.3	83	80%
DAM2-2424F		±15	6.7	67	83%
DAM2-2425F		±24	4.2	42	83%

**Notes: Other input and output models may available on request.**

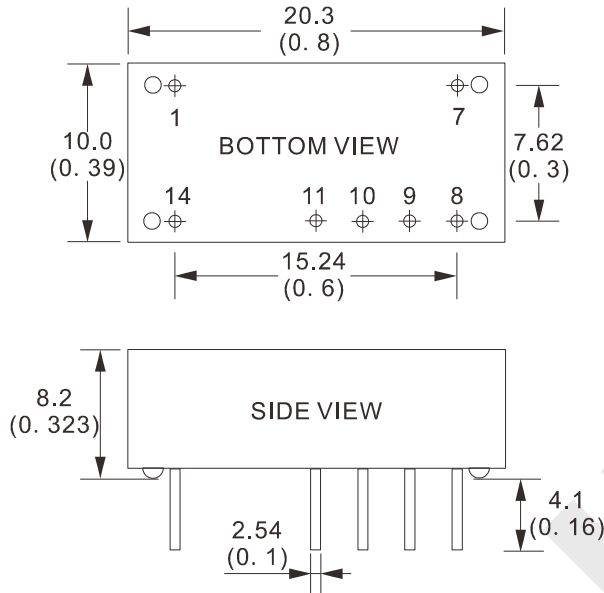
**ELECTRICAL**

Line regulation	---	1.2% max.
Load regulation	10% ~ 100% full load	15% max.
Isolation voltage	Leakage current < 1mA/1min.	3000Vdc min.
Isolation resistance	Test at 500VDC	1000mΩ min.
Switching frequency	---	100KHz typ.
Ripple & noise	Bend width 20MHz	100mVp-p max.
Temperature coefficient	Rated load	±0.03%/°C
Operating temperature range	---	-40°C to +85°C
Storage temperature range	---	-55°C to +125°C
Short circuit protection	---	1S
MTBF	---	3500KHrs
Weight	---	2.9g

**Notes: All the parameters are measured at 25°C ambient temperature, humidity < 75%, nominal input voltage, full load and after warm-up, unless otherwise specified.**

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MECHANICAL



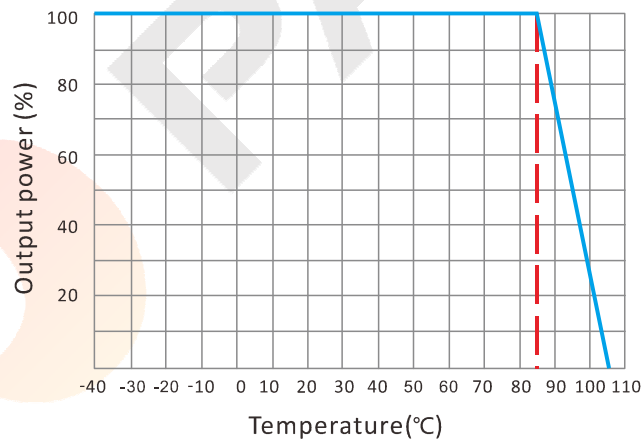
CONNECTION

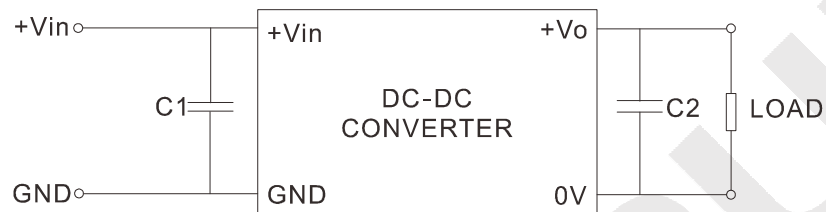
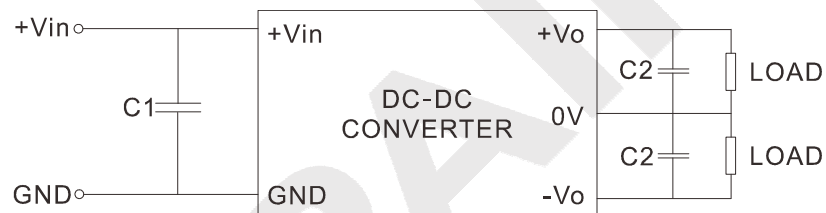
PIN #	SINGLE	DUAL
1	GND	GND
7	NC	NC
8	+Vo	+Vo
9	No Pin	0V
10	0V	-Vo
11	No Pin	No Pin
14	+Vin	+Vin

Note:

\* Unit is mm(inch).

ELECTRICAL CURVE



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**NOTE**
**RECOMMENDED TEST AND APPLICATION CIRCUIT**
**SINGLE OUTPUT**

**DUAL OUTPUT**

**CAPACITOR SELECTION**

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2
5VDC	4.7 $\mu$ F	5VDC	10 $\mu$ F	$\pm$ 5VDC	4.7 $\mu$ F
12VDC	2.2 $\mu$ F	9VDC	4.7 $\mu$ F	$\pm$ 9VDC	2.2 $\mu$ F
15VDC	2.2 $\mu$ F	12VDC	2.2 $\mu$ F	$\pm$ 12VDC	1.0 $\mu$ F
24VDC(Single)	1.0 $\mu$ F	15VDC	1.0 $\mu$ F	$\pm$ 15VDC	1.0 $\mu$ F
24VDC(Dual)	0.47 $\mu$ F	24VDC	0.47 $\mu$ F	$\pm$ 24VDC	0.47 $\mu$ F