

DAE-2 SERIES, 2WATT, 1KVDC, UNREGULATED

FEATURES:

- ✓ 1000Vdc isolation voltage
- ✓ Single, dual, isolated twin output models
- ✓ 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.	
DAE2-0511	5(4.5~5.5)	5	40	400	70%
DAE2-0512		9	22	220	83%
DAE2-0513		12	16.6	166	85%
DAE2-0514		15	13.6	136	83%
DAE2-0515		24	8.4	84	81%
DAE2-0521		±5	20	200	82%
DAE2-0522		±9	11	110	85%
DAE2-0523		±12	8	80	86%
DAE2-0524		±15	6.8	68	82%
DAE2-0525		±24	4.2	42	84%
DAE2-0501		5, 5	20	200	80%
DAE2-0502		9, 9	11	110	82%
DAE2-0503		12, 12	8	80	82%
DAE2-0504		15, 15	6.8	68	83%
DAE2-0505		24, 24	4.2	42	80%
DAE2-1211	12(10.8~13.2)	5	40	400	78%
DAE2-1212		9	22	220	82%
DAE2-1213		12	16.6	166	84%
DAE2-1214		15	13.6	136	81%
DAE2-1215		24	8.4	84	80%
DAE2-1221		±5	20	200	81%
DAE2-1222		±9	11	110	84%
DAE2-1223		±12	8	80	86%
DAE2-1224		±15	6.8	68	82%
DAE2-1225		±24	4.2	42	84%
DAE2-1201		5, 5	20	200	80%
DAE2-1202		9, 9	11	110	83%
DAE2-1203		12, 12	8	80	85%
DAE2-1204		15, 15	6.8	68	83%

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Model	Input voltage (Vdc)	Output voltage (Vdc)	Output Current (mA)		Efficiency Typ.
			Min.	Max.	
DAE2-1205	12(10.8~13.2)	24, 24	4.2	42	80%
DAE2-2411		5	40	400	81%
DAE2-2412		9	22	220	85%
DAE2-2413		12	16.6	166	84%
DAE2-2414		15	13.6	136	85%
DAE2-2415		24	8.4	84	84%
DAE2-2421		±5	20	200	80%
DAE2-2422		±9	11	110	84%
DAE2-2423	24(21.6~26.4)	±12	8	80	84%
DAE2-2424		±15	6.8	68	84%
DAE2-2425		±24	4.2	42	85%
DAE2-2401		5, 5	20	200	81%
DAE2-2402		9, 9	11	110	82%
DAE2-2403		12, 12	8	80	84%
DAE2-2404		15, 15	6.8	68	84%
DAE2-2405		24, 24	4.2	42	80%

**Notes: 1. other input and output models may available on request;  
2. Add suffix "P" for short circuit protection.**

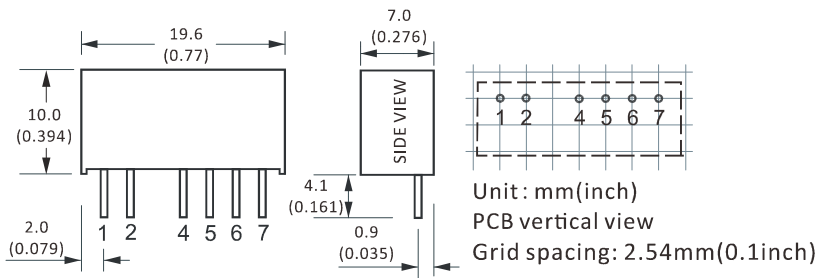
**ELECTRICAL**

Line regulation	---	±1.2%
Load regulation	10% ~ 100% full load	±15% max.
Ripple and noise	---	100mVp-p max.
Isolation voltage	---	1000Vdc
Operating temperature range	---	-40°C to +85°C
MTBF	---	3500KHrs
Weight	---	2.5g

**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



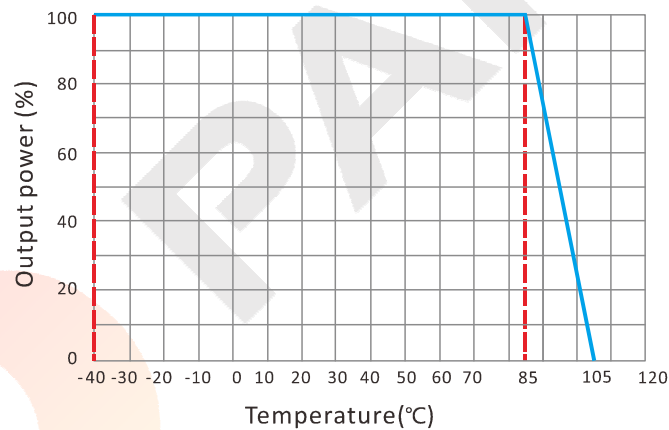
CONNECTION

PIN #	SINGLE	DUAL	ISOLATE D TWIN
1	+Vin	+Vin	+Vin
2	GND	GND	GND
4	0V	-Vo	-Vo1
5	No Pin	0V	+Vo1
6	+Vo	+Vo	-Vo2
7	No Pin	No Pin	+Vo2

Note:

\* Unit is mm(inch).

ELECTRICAL CURVE

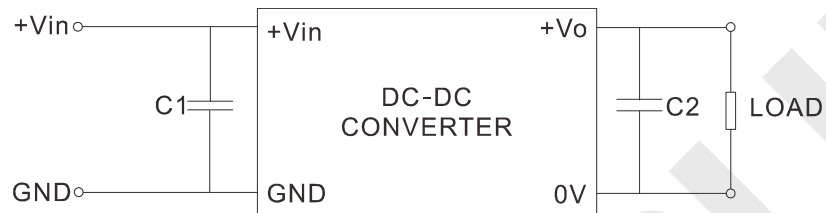


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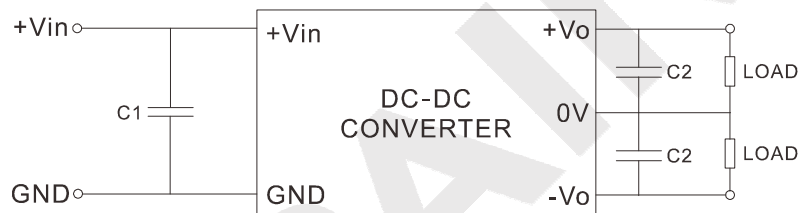
NOTES

RECOMMENDED TEST AND APPLICATION CIRCUIT

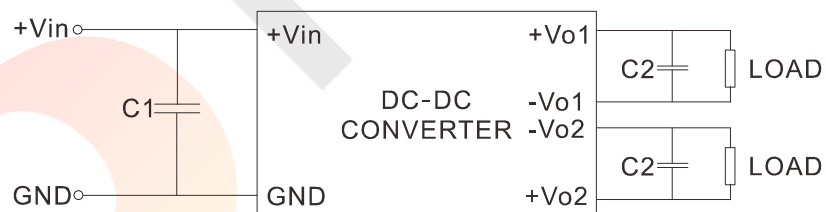
SINGLE OUTPUT



DUAL OUTPUT



ISOLATED TWIN OUTPUT



CAPACITOR SELECTION

INPUT VOLTAGE	C1	SINGLE OUTPUT	C2	DUAL OUTPUT	C2	ISOLATED TWIN OUTPUT	C2
5VDC	4.7 $\mu$ F	3.3VDC	4.7 $\mu$ F	$\pm$ 5VDC	4.7 $\mu$ F	5, 5VDC	4.7 $\mu$ F
12VDC	2.2 $\mu$ F	5VDC	4.7 $\mu$ F	$\pm$ 9VDC	2.2 $\mu$ F	9, 9VDC	2.2 $\mu$ F
15VDC	2.2 $\mu$ F	9VDC	2.2 $\mu$ F	$\pm$ 12VDC	1.0 $\mu$ F	12, 12VDC	1.0 $\mu$ F
24VDC	1.0 $\mu$ F	12VDC	1.0 $\mu$ F	$\pm$ 15VDC	0.47 $\mu$ F	15, 15VDC	0.47 $\mu$ F
48VDC	0.47 $\mu$ F	15VDC	1.0 $\mu$ F	$\pm$ 24VDC	0.47 $\mu$ F	24, 24VDC	0.47 $\mu$ F
--	--	24VDC	0.47 $\mu$ F	--	--	--	--