

Model : DKE15A-24 15W DC-DC Dual Output Converter
 V1 : +24V / 31.3~313mA
 V2 : - 24V / 31.3~313mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	VOLTAGE ACCURACY	V1:-2%~+2% (Max) V2: -2%~+2% (Max)	I/P:12VDC O/P:50% LOAD Ta:25°C	V1:-0.8 % V2:-0.9 %	P
2	RIPPLE & NOISE	V1:80mVp-p (Max) V2:80mVp-p (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	V1:15mV V2:18mV	P
3	LINE REGULATION	V1:-0.3%~+0.3% (Max) V2:-0.3%~+0.3% (Max)	I/P:9VDC~18VDC O/P:FULL LOAD Ta:25°C	V1:-0%~+0% V2:-0%~+0%	P
4	LOAD REGULATION	V1:-0.5%~+0.5% (Max) V2:-0.5%~+0.5% (Max)	I/P:12VDC O/P:MIN~FULL LOAD Ta:25°C	V1:-0.1%~+0.1% V2:-0%~+0%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	DC VOLTAGE RANGE	9VDC~18VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	8.35V~18V	P
2	EFFICIENCY	82% (Typ)	I/P:12VDC O/P:FULL LOAD Ta:25°C	80.7%	P
3	DC CURRENT	1700mA (Max)	I/P:12VDC O/P:FULL LOAD Ta:25°C	1540mA	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	160%~250% (Max)	I/P:12VDC O/P:TESTING Ta:25°C	204% Hiccup Mode Reset Auto Recovery	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:12VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE Hiccup Mode Reset Auto Recovery	P

