

Model : DKA30B-12 30W DC-DC Dual Output Converter
 V1 : +12V / 125~1250mA
 V2 : -12V / 125~1250mA

OUTPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OUTPUT VOLTAGE ACCURACY	V1:-2%~+2% (Max) V2:-2%~+2% (Max)	I/P: 24VDC O/P:50% LOAD Ta:25°C	V1:-0.1% V2:+0.4%	P
2	RIPPLE & NOISE	V1:100mVp-p (Max) V2:100mVp-p (Max)	I/P:24VDC O/P:FULL LOAD Ta:25°C	V1:35mVp-p V2:30mVp-p	P
3	LINE REGULATION	V1:-0.5%~+0.5% (Max) V2:-0.5%~+0.5% (Max)	I/P:18VDC ~36VDC O/P:FULL LOAD Ta:25°C	V1: -0.1%~+0% V2: -0.1%~+0.1%	P
4	LOAD REGULATION	V1:-0.5%~+0.5% (Max) V2:-0.5%~+0.5% (Max)	I/P:24VDC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.1%~+0.1% V2: -0.1%~+0.1%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	18VDC~36VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	12V~36Vdc	P
2	EFFICIENCY	83% (TYP)	I/P:24VDC O/P:FULL LOAD Ta:25°C	85.2%	P
3	INPUT CURRENT	1.5A (Typ.) FULL LOAD 20mA (Typ.) NO LOAD	I/P:24VDC O/P:TEST Ta:25°C	1.47A / FULL LOAD 20mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:24VDC O/P:TESTING Ta:25°C	124% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:36VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

