

Model : DCW05C-12 5.5W DC-DC Dual Output Converter
 V1 : +12V / 23~230mA
 V2 : -12V / 23~230mA

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: 48VDC O/P:50% LOAD Ta:25°C	V1:-0.6% V2:-0.5%	P
2	RIPPLE & NOISE	V1:100mVp-p (Max) V2:100mVp-p (Max)	I/P:48VDC O/P:FULL LOAD Ta:25°C	V1:23mVp-p V2:23mVp-p	P
3	LINE REGULATION	V1:-0.2%~+0.2% (Max) V2:-0.2%~+0.2% (Max)	I/P:36VDC ~72VDC O/P:FULL LOAD Ta:25°C	V1: -0%~+0% V2: -0%~+0%	P
4	LOAD REGULATION	V1:-0.2%~+0.2% (Max) V2:-0.2%~+0.2% (Max)	I/P:48VDC O/P:FULL ~MIN LOAD Ta:25°C	V1: -0.1%~+0% V2: -0.14%~+0.04%	P

INPUT FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	INPUT VOLTAGE RANGE	36VDC~72VDC (Typ)	I/P:TESTING O/P:FULL LOAD Ta:25°C	19V~72Vdc	P
2	EFFICIENCY	83% (TYP)	I/P:48VDC O/P:FULL LOAD Ta:25°C	84.0%	P
3	INPUT CURRENT	138mA FULL LOAD (Max.) 12mA NO LOAD (Typ.)	I/P:48VDC O/P:TEST Ta:25°C	136.5mA / FULL LOAD 11.6mA / NO LOAD	P

PROTECTION FUNCTION TEST

NO	TEST ITEM	SPECICATION	TEST CONDITION	RESULT	VERDICT
1	OVER LOAD PROTECTION	YES	I/P:48VDC O/P:TESTING Ta:25°C	204% HICCUP MODE AUTO-RECOVER	P
2	SHORT PROTECTION	SHORT EVERY OUTPUT 1 HOUR NO DAMAGE	I/P:72VDC O/P:FULL LOAD Ta:25°C	NO DAMAGE HICCUP MODE AUTO-RECOVER	P

