

MODEL:UHR-30184	DC-DC CONVERTER PRODUCT SPECIFICATIONS				
7.16.96	MODEL:UHR-5/4000-D12				
INPUT:	MIN	TYP.	MAX.	UNITS	TEST
VOLTAGE RANGE:	9.00	12.00\24.00	36.00	V	100%
FILTER TYPE:	L-TYPE				GBD
BACK RIPPLE CURRENT:		TBD		mA	GBD
NO LOAD CURRENT:		25.0	35.0	mA	100%
Measured at 24V input					
FULL LOAD CURRENT @12Vin:		2.083	2.158	A	GBD
FULL LOAD CURRENT @24Vin:		1.029	1.060	A	100%
EFFICIENCY AT F. LOAD @12Vin:	78.0	80.0		%	GBD
EFFICIENCY AT F.LOAD @24Vin:	79.4	81.0		%	100%
OVERVOLTAGE SHUTDOWN:		N/A		VDC	100%
OUTPUT:					
VOLTAGE:	4.950	5.000	5.050	VDC	100%
CURRENT RANGE:	0.80	4.00	4.00	A	100%
VOLTAGE SETTING ACCURACY:	within 1% of 5.00				
Measured at 24Vin , 2A load					100%
LINE REGULATION @ Max LOAD:			±0.30	%	100%
The same measured as slope			0.60	%	100%
LOAD REGULATION @ 24Vin:			±0.5	%	100%
The same measured as slope			1.00	%	100%
TEMPERATURE COEFFICIENT:		0.02		%/°C	GBD
OVER-VOLTAGE PROTECTION:	5.6	6.8	7.1	V	GBD
Voltage Clamp (TRANSZORB)					
RIPPLE/NOISE:		50	100	mV Pk/Pk	100%
At 20MHZ bandwidth					
CURRENT LIMIT INCEPTION:					
(At .98Vout, 24V input)	5.00	5.50	6.00	A	100%
SHORT CIRCUIT CURRENT:		10.0		A	100%
Vo Recovery Test Only, 24 Vin					
DYNAMIC LOAD RESPONCE:					
RECOVERY TIME WITHIN 1.5% Vo:		100	200	µSec	100%
Load change from 2A to 4A, Vin=24v					
OUTPUT VOLTAGE ADJUSTMENT RANG	4.75 to 5.25v or greater				

