DBS700B28 Specifications Overview

MODEL			**DBS700B28-XCMN**
MAX OUTPUT WATTAGE (W)			**700**
DC OUTPUT			**28V 25A**
SPECIFICATIONS			
	MODEL		**DBS700B28-XCMN**
INPUT	**VOLTAGE (V)**		DC200 - 400V
	CURRENT (A)		2.76typ
	EFFICIENCY (%)		90.5typ
OUTPUT	**VOLTAGE (V)**		28
	CURRENT (A)		25
	LINE REGULATION (mV)		56max
	LOAD REGULATION (mV)		112max
	RIPPLE (mVp-p)	**0~+100C**	120max
		-40~0C	150max
	RIPPLE NOISE (mVp-p)	**0~+100C**	150max
		-40~0C	250max
	TEMPERATURE REGULATION (mV)	**0~+65C**	280max
		-40~+100C	560max
	DRIFT (mV)		90max
	START-UP TIME (ms)		200max
	OUTPUT VOLTAGE ADJUSTMENT RANGE		Fixed (TRM pin open), 60 - 110% adjustable by external VR or external voltage
	OUTPUT VOLTAGE SETTING (V)		27.16 - 28.84
PROTECTION CIRCUIT AND OTHERS	**OVERCURRENT PROTECTION**		Works at over 105% of rating and recovers automatically
	OVERVOLTAGE PROTECTION		35.0 - 41.2V
	REMOTE SENSING		Provided
	REMOTE ON/OFF		Provided (on both input and output)
ISOLATION	**INPUT-OUTPUT**		AC3,000V 1 minute, cut-off current = 10mA, DC500V 50MOhms min (20+/-15C)
	INPUT-FG		AC2,000V 1 minute, cut-off current = 10mA, DC500V 50MOhms min (20+/-15C)
	OUTPUT-FG		AC500V 1 minute, cut-off current = 100mA, DC500V 50MOhms min (20+/-15C)
	OUTPUT-RC2, RC3		AC100V 1 minute, cut-off current = 100mA, DC100V 10MOhms min (20+/-15C)
ENVIRONMENT	**OPERATING TEMP., HUMID. AND ALTITUDE**		-40~+100C (on aluminum base plate), 20~95% RH (non condensing) (refer to Derating Curve), 3,000m (10,000 feet) max
	STORAGE TEMP., HUMID. AND ALTITUDE		-40~+100C, 20 - 95% RH (non condensing), 9,000m (30,000 feet) max
	VIBRATION		10 - 55Hz, 49.0m/s2 (5G), 3 minutes period, 60 minutes each along X, Y and Z axis
	IMPACT		196.1m/s2 (20G), 11ms once each along X, Y and Z axis
SAFETY	**AGENCY APPROVALS**		Pending
OTHERS	**CASE SIZE / WEIGHT**		61 x 12.7 x 116.8mm (W x H x D) / 180g max
	COOLING METHOD		Conduction cooling (e.g. heat dissipation from the aluminum base plate to a heatsink)

For more details, please refer to the attached data sheets.