WMM-SX-A 12W

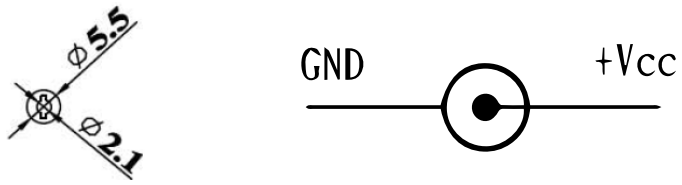
FEATURES:

- High frequency design, less power consumption
- NRCan / DoE Level VI / CEC / GEMS VI;/ ErP (Stage 2) / CoC Tier 2

	MODEL/CHANNEL	Unit	WMM12-12SX-A					
OUTPUT	Norminal Voltage	V	12; ± 5%					
	Norminal Current	A	1A max					
	Ripple & Noise Max	mV	120mVpp max; 115Vac/ 0% Load 30.4 mVpp; 230Vac/ 0% Load 27.2 mVpp; both spec 100 mVp-p max.					
	Output Regulation	%	11.4V min. ~ 12V typ. ~ 12.6 V max.					
	Output Power	W	12W max.					
	Line Regulation	mV	90Vac/ 50% Load, 115Vac/ 50% Load; 132Vac/ 50% Load; 180Vac/ 50% Load; 230Vac/ 50% Load; ;264Vac/ 50% Load All are Range 11.4V~12.6V and all 3 readings 12V					
	Load Regulation	mV	115Vac/ 0% All Load Reading 12.2V, 115Vac/ 50% All Load Reading 12V; 115Vac/ 100% All Load Reading 11.9V; 230Vac/ 0% All Load Reading 12.2V; 230Vac/ 50% All Load Reading 12V; 230Vac/ 100% All Load Reading 11.9V; All are spec 11.4V ~12.6V					
115V	Reported Quantity	%	100	75	50	75	10	0
	Output Current	mA	1000	750	500	750	100	0
	Output Voltage	V	11.9	12	12	12.1	12.1	12.2
	Output Power	W	11.9	9	6	3	1.2	0
	Input Current	A	0.2	0.2	0.1	0.1	0	0
	Input Power	W	14.1	10.5	7.1	3.6	1.5	0.1
	True Power Factor	-	0.4	0.4	0.4	0.3	0.3	0.3
	Pwr. Consumed by UUt	W	2.2	1.5	1	0.6	0.3	0.1
	Efficiency	%	84.4	85.6	85.3	84.5	80	
	Avg. Efficiency	%	84.5				80	
	Input Voltage	V	115					

MODEL/CHANNEL		Unit						
230V	Reported Quantity	%	100	75	50	75	10	0
	Output Current	mA	1000	750	500	750	100	0
	Output Voltage	V	11.9	12	12	12.1	12.1	12.2
	Output Power	W	11.9	9	6	3	1.2	0
	Input Current	A	0.2	0.1	0.1	0.1	0	0
	Input Power	W	13.9	10.5	7	3.6	1.6	0.1
	True Power Factor	-	0.4	0.4	0.4	0.3	0.3	0.3
	Pwr. Consumed by UUt	W	2.1	1.5	1	0.6	0.4	0.1
	Efficiency	%	85.3	85.6	85.5	83.6	77.1	
	Avg. Efficiency	%	85				77.1	
	Input Voltage	V	230					
INPUT	Input Power Consumption	ms	115Vac/ 0% Load; 0.05W; 230Vac/ 0% Load; 0.06W all both					
	Input Voltage Range	V	Universal 100 ~ 240Vac, single phase					
	Frequency	Hz	50~60 Hz; 0.075W (at 115Vac & 230Vac & no Load)					
	Input Current (rms)	A	0.32~0.19A/48.2A					
	Efficiency	%	Eff 83% to 84.9%(at 115V/60Hz input); 83.3% to 85%(at 230V/50Hz input for CoC Tier2); 73.3% to 77.2% (at 230V/50Hz input 10% load for CoC Tier 2)					
	Inrush current	VAC	230Vac/ 0% Load; 60A max (chroma 6530)					
	Inrush current	VAC	Cold start at 25ºC, full load; 60A max. / 240Vac (ac source chroma 6530); 120A max. / 230Vac (mains electricity from wall)					
Protection	Overvoltage Protection	Vdc	115Vac/ 0% Load, 22V max., 18V; 230 Vac/ 0% Load, 22V max., 17.6V					
	Short Circuit Protection	V	115Vac/ 0% Load and 230Vac/ 0% Load Auto recovery; Automatic recovery after short-circuit fault being removed					
	Overcurrent Protection	%	115Vac/ 0% Load, 3A max., 1.56A; 230 Vac/ 0% Load, 3A max.,1.52A; 3A max.					
Environmental Agencies	Safety Standards	-	I.T.E: PSE; Medical: UL / cUL					
	EMC Standards	-	FCC Class B; conduction & radiation					
	Leakage Current	mA	Less than 0.1 mA					
Environment	Operating temp. & Humidity	-	0ºC ~ +40ºC; 20% ~ 80% RH					
	Cooling	-	By natural air					
	Storage temp. & Humidity	-	20ºC ~ +80ºC; 10% ~ 90% RH					
	MTBF demonstrated	H	300,000Hrs.(calculated hours at 25ºC, by Telcordia SR-332)					
Dielectric Withstand	Primary-Secondary	-	4000 Vac for 1 minute					
Insulation Resistance	Primary-Secondary	-	10MΩ for 500Vdc					
Dimension	Size(WxHxD) / Weight	mm/g	80.2Lx46Wx57.5H/140g					

Derating Curve 12W



Dimensional Drawings