

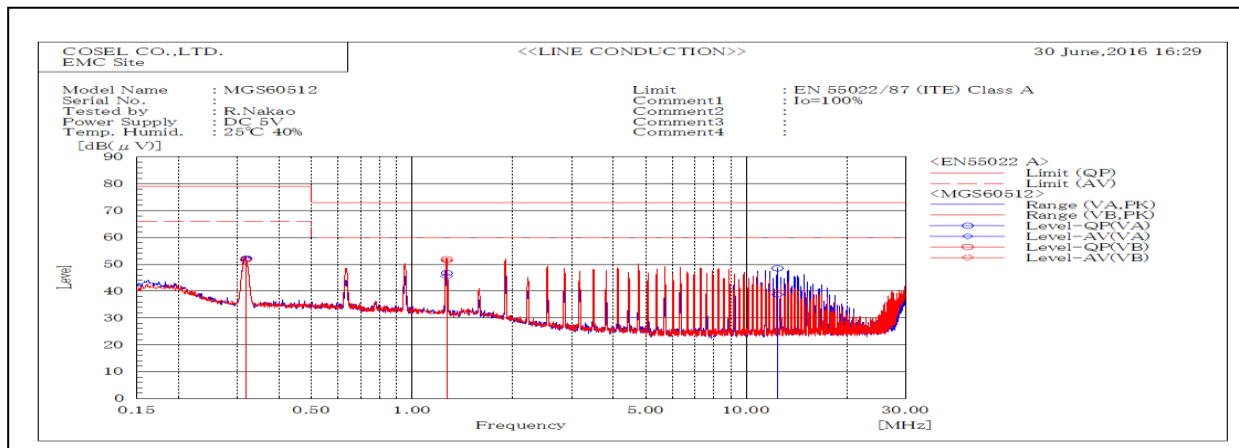
DATA SHEET

Model MGS60512

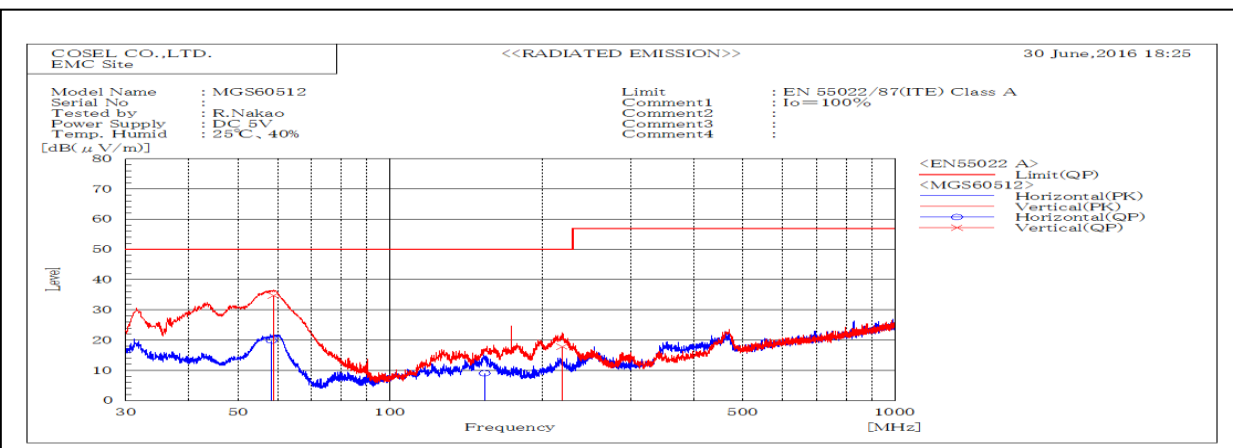
Date 14-Jul-16
Temp. 25 degreeC

Test EMI
Line conduction & Radiated emission

Humid. 40 %RH
Tested by R.Nakao



Frequency MHz	Harm	Line Phase	Reading dB(μV)		Factor dB	Level dB(μV)		Limit dB(μV)		Margin dB		Pass/ Fail	Remark
			QP	AV		QP	AV	QP	AV	QP	AV		
0.31718		VB	31.8	31.9	19.9	51.7	51.8	79	79	27.3	14.2	Pass	
0.31918		VA	32.2	32.1	19.9	52.1	52.0	79	79	26.9	14.0	Pass	
1.26959		VB	32.0	31.3	19.9	51.9	51.2	73	60	21.1	8.8	Pass	
1.26906		VA	26.7	25.5	20.0	46.7	45.5	73	60	26.3	14.5	Pass	
12.40225		VA	27.7	18.1	20.7	48.4	38.8	73	60	24.6	21.2	Pass	



Frequency MHz	Polarization	Stability	Reading dB(μV)	Limit dB(μV/m)	Margin dB(μV/m)	Pass/Fail	Height cm	Angle deg	Remark
			QP	QP	QP				
58.342	H	Stable	19.9	50.0	30.1	Pass	110	103	
58.784	V	Stable	34.7	50.0	15.3	Pass	103	345	
154.031	H	Stable	9.0	50.0	41.0	Pass	157	252	
219.361	V	Stable	17.9	50.0	32.1	Pass	105	304	

1. Line conduction

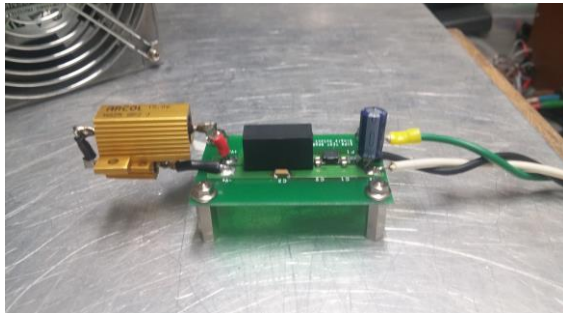


Conditions

Test : EMI
Model Name : MGS6□□

○Photographs of Test Set-Up

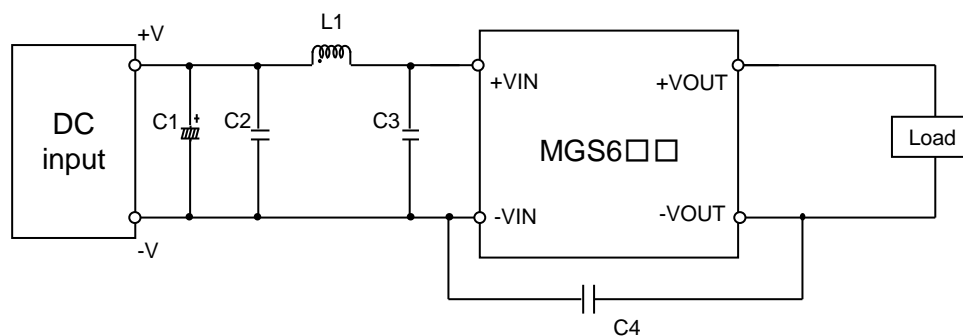
LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry



C1 :	MGS605□□	25V 220 μ F	Electric capacitor (LXZseries NIPPON CHEMI-CON)
	MGS612□□	50V 100 μ F	Electric capacitor (LXZseries NIPPON CHEMI-CON)
	MGS624□□	-	
	MGS648□□	-	
C2 :	MGS605□□	16V 22 μ F	Ceramic capacitor (GRM31CC71C226K MURATA MANUFACTURING)
	MGS612□□	25V 10 μ F	Ceramic capacitor (GRM31CR71E106K MURATA MANUFACTURING)
	MGS624□□	50V 4.7 μ F	Ceramic capacitor (GRM31CR71H475K MURATA MANUFACTURING)
	MGS648□□	100V 2.2 μ F	Ceramic capacitor (GRM31CC72A225K MURATA MANUFACTURING)
C3 :	MGS605□□	-	
	MGS612□□	25V 10 μ F	Ceramic capacitor (GRM31CR71E106K MURATA MANUFACTURING)
	MGS624□□	50V 4.7 μ F	Ceramic capacitor (GRM31CR71H475K MURATA MANUFACTURING)
	MGS648□□	100V 2.2 μ F	Ceramic capacitor (GRM31CC72A225K MURATA MANUFACTURING)
C4 :	MGS605□□	2kV 470pF	Ceramic capacitor (GR442QR73D471K MURATA MANUFACTURING)
	MGS612□□	2kV 470pF	Ceramic capacitor (GR442QR73D471K MURATA MANUFACTURING)
	MGS624□□	2kV 470pF	Ceramic capacitor (GR442QR73D471K MURATA MANUFACTURING)
	MGS648□□	2kV 1000pF	Ceramic capacitor (GR442QR73D102K MURATA MANUFACTURING)
L1 :	MGS605□□	3000mA 1.5 μ H	Inductor(LQH5BPN1R5NT0 MURATA MANUFACTURING)
	MGS612□□	2600mA 2.2 μ H	Inductor(LQH5BPN2R2NT0 MURATA MANUFACTURING)
	MGS624□□	1600mA 10 μ H	Inductor(LQH5BPN100MT0 MURATA MANUFACTURING)
	MGS648□□	1050mA 22 μ H	Inductor(LQH5BPN220MT0 MURATA MANUFACTURING)