

KCD-300 Industrial 10/100 Media Converter
with Enhanced EMI/EMS Performance (vs. typical networking products)

Test	Standard	KCD-300 Test Conditions	KCD-300 Severity Level	KCD-300 Performance	Commercial Products Test Conditions	Typical Severity Level	Typical Performance
EMI Test (Conduction & Radiation)	EN 55022 Class B						
	Conducted Emission	0.15M-30MHz	CISPR Class B	Class B	0.15M – 30Mhz	Class A	Class A
	Radiated Emssion	30M – 1000MHz	CISPR Class B	Class B	30M – 1000MHz	Class A	Class A
Harmonics Test	EN 61000-3-2:2000	N/A (DUT < 75W)		PASS			
Voltage Fluctuations & Flicker Test	EN 61000-3-3:1995	Clause 5		PASS	Clause 5		
EMS Test	EN55024:1998/A1:2001	See below					
ESD Test	IEC 61000-4-2:1995	Contact: +/-8KV Air: +/-15KV	Contact:Level 4 Air:Level 4	B	Contact: +/-4KV Air: +/-8KV	Contact:2 Air:3	B
Radio Frequency Electromagnetic Field Immunity Test (RS)	IEC 61000-4-3:1995	Frequency: 80-1000MHz Field Srength: 10V/m	Power - Level 3 Data – Level 3	A	Frequency: 80-1000MHz Field Srength: 3V/m	Level 2	A
Electric Fast Transient/Burst Immunity Test (EFT/BURST)	IEC 61000-4-4:1995	Power : +/-4.0KV Data : +/-2.0KV	Power – Level 4 Data – Level 4	A	Power : +/-1.0KV Data : +/-0.5KV	Power–Level 2 Data – Level 2	B
Surge Immunity Test	IEC 61000-4-5:1995	+/-4.0KV	Level 4	A	+/-2KV	Level 2	B
Conducted Disturbance Induced by Radio- frequency Field Immunity Test (CS)	IEC 61000-4-6:1996	Test voltage: 10V/rms 0.15M – 80MHz	Power - Level 3 Data – Level 3	A	Test voltage: 3V/rms 0.15M – 80MHz	Level 2	A
Power Frequency Magnetic Field Immunity Test	IEC 61000-4-8:1993	Power Freq. 50Hz X-Y-Z axis, 1 min.	40A/m	A	Power Freq. 50Hz X-Y-Z axis	1A/m	A
Voltage Dips and Voltage Interruption Immunity Test	IEC 61000-4-11:1994	Interruption: 230V>95% Dips: 30% Dips: 230V >95%	250 periods 25 periods 0.5 period	Interruption: C Dips: A	Interruption: 230V >95% Dips: 230V 30% 230V >95%	250 periods 25 periods 0.5 period	Interruption: C Dips: B/C

DOC.040531