



Designation : LF quads 1CF no limits complete
 Testorder : AESA example - quads - no limit
 Test Date/Time : 2023-07-04 1:59:52 PM Sample-ID-No. : 000008X9DA Length : 187m Temp : 20°C
 Customer : AESA Cortailod drum no. : 1
 Cable type : Example Order number : 1
 Specification : 1 operator : AESA

Test Result: PASS

Worst Case Summary

Units	Units	Ra-d	R1-2	D1-2	D1-2%	D1-2%Min	Ca-d	
N	No. of measuring values	112	56	56	56	56	112	»
RefLength	Reference length [m]	1000	1000	1000			1000	»
NormForm	Normalisation formula	linT20	linT20	linT20			lin	»
MeasFreq	Measuring frequency [Hz]						1000	»
ULim	Upper limit meas. values							»
Max	Maximum value	58.58	116.65	1.418			73.27	» ✓
Min	Minimum value	55.31	111.48	-1.696			66.99	» ✓
LLim	Lower limit meas. values							»
UMaxAbs	Upper limit maximum value abs.							»
SMaxAbs	Maximum value absolute				1.507	3.061		» ✓
SMinAbs	Minimum value absolute				0.000	0.000		» ✓
UX	Upper limit average value							»
SX	Average value	56.59	113.18	-0.18			70.26	» ✓
LX	Lower limit average value							»
USX	Upper limit standard deviation							»
SSX	Standard deviation	0.57	0.98	0.55			2.51	» ✓
LSX	Lower limit standard deviation							»
USXAbs	Upper limit standard deviation abs.							»
SSXAbs	Standard deviation absolute				0.37	0.74		» ✓
UXAbs	Upper limit average value abs.							»
SXAbs	Average value absolute				0.35	0.71		» ✓
URMS	Upper limit Root Mean Square							»
SRMS	Root Mean Square	56.59	113.18	0.58	0.51	1.03	70.31	» ✓
LRMS	Lower limit Root Mean Square							»
No>Lim	No. of elements>limit	0	0	0	0	0	0	» ✓

Continuation

Units	Units	C1-2	K1	K2-3	K9-12	E1-2	Ea1-2	
N	No. of measuring values	56	28	56	112	56	56	
RefLength	Reference length [m]	1000	1000	1000	1000	1000	1000	
NormForm	Normalisation formula	lin	lin	lin	lin	lin	lin	
MeasFreq	Measuring frequency [Hz]	1000	1000	1000	1000	1000	1000	
ULim	Upper limit meas. values							
Max	Maximum value	38.42						» ✓
Min	Minimum value	34.92						» ✓
LLim	Lower limit meas. values							
UMaxAbs	Upper limit maximum value abs.							
SMaxAbs	Maximum value absolute		134	374	69	246	43	» ✓
SMinAbs	Minimum value absolute		0	5	0	0	1	» ✓
UX	Upper limit average value							
SX	Average value	36.88						» ✓
LX	Lower limit average value							
USX	Upper limit standard deviation							
SSX	Standard deviation	1.28						» ✓
LSX	Lower limit standard deviation							
USXAbs	Upper limit standard deviation abs.							
SSXAbs	Standard deviation absolute		39.51	76.77	13.31	66.44	15.26	» ✓
UXAbs	Upper limit average value abs.							
SXAbs	Average value absolute		41.19	112.21	15.52	86.75	19.44	» ✓
URMS	Upper limit Root Mean Square							

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Continuation

Table with 7 columns: SRMS, LRMS, C1-2, K1, K2-3, K9-12, E1-2, Ea1-2. Values include 36.90, 57.08, 135.96, 20.45, 109.27, 24.71.

LF open test

Open-Test OK

LF R

Table with 8 columns: No, From, To, Ra Ohm, Rb Ohm, Rc Ohm, Rd Ohm, R1 Ohm, R2 Ohm. Rows 1-28 showing resistance values and checkmarks.

to be continued

Continuation from #LR

Table with 9 columns: No, From, To, RD1 Ohm, RD2 Ohm, RD%1, RD%2, RM1%, RM2%. Rows 1-28 showing percentage values and checkmarks.

LF short test
Short-Test OK
LF CKE 1 kHz

No	From	To	Ca nF /1000m	Cb nF /1000m	Cc nF /1000m	Cd nF /1000m	C1 nF /1000m	C2 nF /1000m	K1 pF /1000m	
1	1-	2	67.09	66.99	67.20	67.10	34.95	34.92	0	✓ »
2	2-	3	67.54	67.15	67.31	67.12	35.49	35.28	-21	✓ »
3	3-	4	67.41	67.35	67.47	67.38	35.25	35.25	48	✓ »
4	4-	5	67.44	67.42	67.51	67.41	35.58	35.61	0	✓ »
5	5-	6	67.42	67.47	67.44	67.35	35.11	35.20	134	✓ »
6	6-	7	68.17	67.83	68.06	67.94	35.81	35.81	-75	✓ »
7	7-	8	68.74	68.60	68.79	68.60	36.54	36.58	11	✓ »
8	8-	9	68.02	67.79	67.96	67.87	35.57	35.65	-112	✓ »
9	9-	10	72.62	72.62	72.78	72.68	37.86	37.85	21	✓ »
10	10-	11	68.14	68.00	68.18	67.99	35.99	35.98	-21	✓ »
11	11-	12	72.97	72.79	72.83	72.74	38.26	38.09	16	✓ »
12	12-	13	72.71	72.74	72.90	72.71	37.94	37.99	11	✓ »
13	13-	14	73.15	72.93	72.98	72.93	38.41	38.26	43	✓ »
14	14-	15	72.67	72.63	72.54	72.48	37.76	37.83	5	✓ »
15	15-	16	72.82	72.92	72.96	72.81	38.24	38.19	128	✓ »
16	16-	17	71.92	71.93	72.03	71.89	38.21	38.05	43	✓ »
17	17-	18	67.95	67.87	68.04	67.85	35.73	35.79	-37	✓ »
18	18-	19	68.73	68.52	68.57	68.46	36.57	36.39	5	✓ »
19	19-	20	67.76	67.80	67.96	67.75	35.52	35.64	-32	✓ »
20	20-	21	68.08	67.99	68.14	67.91	36.00	35.91	-117	✓ »
21	21-	22	67.31	67.48	67.50	67.28	35.06	35.21	69	✓ »
22	22-	23	72.79	72.63	72.94	72.79	38.30	38.42	27	✓ »
23	23-	24	72.43	72.38	72.87	72.82	37.72	37.95	64	✓ »
24	24-	25	72.98	72.62	73.06	72.78	38.08	38.19	0	✓ »
25	25-	26	72.86	72.68	73.14	72.99	38.09	38.02	0	✓ »
26	26-	27	73.06	72.97	73.27	73.01	38.26	38.38	37	✓ »
27	27-	28	72.82	72.71	73.01	72.76	38.03	37.99	-16	✓ »
28	28-	1	72.59	72.64	72.58	72.56	38.35	38.31	59	✓ »

to be continued

Continuation from #LCKE

No	From	To	K2 pF /1000m	K3 pF /1000m	K9 pF /1000m	K10 pF /1000m	K11 pF /1000m	K12 pF /1000m	E1 pF /1000m	E2 pF /1000m		
«	1	1-	2	112	75	11	5	-27	-11	-22	59	✓ »
«	2	2-	3	315	133	-21	-27	21	-16	144	85	✓ »
«	3	3-	4	32	80	-5	5	-21	32	53	11	✓ »
«	4	4-	5	-21	59	21	5	-32	5	69	80	✓ »
«	5	5-	6	-80	53	-5	5	-16	11	80	48	✓ »
«	6	6-	7	374	80	-16	0	-37	-43	-86	102	✓ »
«	7	7-	8	75	133	16	-11	-21	53	139	96	✓ »
«	8	8-	9	240	42	27	11	-5	-11	0	91	✓ »
«	9	9-	10	-48	37	-16	11	0	5	133	118	✓ »
«	10	10-	11	43	187	11	-5	0	11	208	5	✓ »
«	11	11-	12	80	91	-5	16	-11	5	213	0	✓ »
«	12	12-	13	-21	139	16	5	5	43	0	96	✓ »
«	13	13-	14	101	42	0	-21	69	11	235	-11	✓ »
«	14	14-	15	-11	-48	5	-5	-11	0	90	198	✓ »
«	15	15-	16	-69	91	0	5	-11	11	-64	107	✓ »
«	16	16-	17	-75	155	16	16	0	11	128	-5	✓ »
«	17	17-	18	165	144	59	16	11	-21	-150	102	✓ »
«	18	18-	19	176	75	-16	-5	-43	32	58	53	✓ »
«	19	19-	20	-37	149	16	27	-32	16	10	86	✓ »
«	20	20-	21	43	203	-11	11	-27	32	90	37	✓ »
«	21	21-	22	-139	197	-11	16	-5	11	-38	43	✓ »
«	22	22-	23	171	123	53	5	0	53	-27	43	✓ »
«	23	23-	24	160	53	-5	21	11	27	-203	-11	✓ »
«	24	24-	25	256	192	-16	27	21	11	187	155	✓ »
«	25	25-	26	203	149	16	-16	-11	21	-27	0	✓ »
«	26	26-	27	-5	139	-5	5	-5	5	187	246	✓ »
«	27	27-	28	43	208	16	5	-11	5	133	69	✓ »
«	28	28-	1	-69	-43	5	5	-11	16	5	123	✓ »

to be continued

Continuation from #LCKE

No	From	To	Ea1 pF /1000m	Ea2 pF /1000m		
«	1	1-	2	5	37	✓
«	2	2-	3	5	37	✓
«	3	3-	4	5	37	✓
«	4	4-	5	-6	27	✓
«	5	5-	6	5	37	✓
«	6	6-	7	5	37	✓

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Continuation from #LCKE

No	From	To	Ea1 pF /1000m	Ea2 pF /1000m		
<<	7	7-	8	-1	32	✓
<<	8	8-	9	-6	32	✓
<<	9	9-	10	5	37	✓
<<	10	10-	11	5	37	✓
<<	11	11-	12	5	32	✓
<<	12	12-	13	-6	27	✓
<<	13	13-	14	10	37	✓
<<	14	14-	15	5	37	✓
<<	15	15-	16	-1	32	✓
<<	16	16-	17	-1	27	✓
<<	17	17-	18	5	37	✓
<<	18	18-	19	5	37	✓
<<	19	19-	20	5	32	✓
<<	20	20-	21	-1	27	✓
<<	21	21-	22	5	37	✓
<<	22	22-	23	10	43	✓
<<	23	23-	24	5	32	✓
<<	24	24-	25	-6	27	✓
<<	25	25-	26	10	37	✓
<<	26	26-	27	5	37	✓
<<	27	27-	28	-1	37	✓
<<	28	28-	1	-1	32	✓