

PDA-300 TEST RESULTS

Test Cycles: 7 24 2016 2016/2/24

7:18:42:49

802.3at PD Test Report

Quadrants Tested: 1 1

PD Tested: 1 1

Hardware ver: 3.33
Firmware ver: 3.16

Parameters	Test Cycles:	Test Cycle	Units	Low Limit	P/F	High Limit	P/F
ALTA, MDI Unpowered PD							
R_detect	24.99	Kohm	23.70	Pass	26.30	Pass	
C_detect	0.121	uF	0.050	Pass	0.120	Fail	
I_Class	27.5	mA	26.0	Pass	30.0	Pass	
Class	2		0	Pass	4	Pass	
Type	1	----	1	Pass	2	Pass	
V_om	36.2	Volts	30.0	Pass	42.0	Pass	
V_off	35.8	Volts	30.0	Pass	37.0	Pass	
Inrush_E	0.083	W-s	0.000	Pass	0.380	Pass	
ALTA, MDI Type-1 Grant							
Pclass_PD_1	10.27	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_1	10.30	Watts	0.00	Pass	14.40	Pass	
Max_Load_1	215.0	mA	10.0	Pass	300.0	Pass	
MPS_Load_1	213.1	mA	10.0	Pass	270.8	Pass	
Average_Load_1	214.1	mA	2.3	Pass	270.8	Pass	
ALTA, MDI Type-2 Grant							
I_Mark	0.3	mA	0.0	Pass	4.0	Pass	
Pclass_PD_2	10.07	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_2	10.12	Watts	0.00	Pass	14.40	Pass	
P_Type-1	6.41	Watts	0.00	Pass	14.40	Pass	
Max_Load_2	187.4	mA	10.0	Pass	266.7	Pass	
MPS_Load_2	185.9	mA	10.0	Pass	240.7	Pass	
Average_Load_2	186.6	mA	2.3	Pass	240.7	Pass	
ALTA, MDI X Unpowered PD							
R_detect	25.10	Kohm	23.70	Pass	26.30	Pass	
C_detect	0.120	uF	0.050	Pass	0.120	Pass	
I_Class	27.6	mA	26.0	Pass	30.0	Pass	
Class	3	----	0	Pass	4	Pass	
Type	1	----	1	Pass	2	Pass	
V_om	36.2	Volts	30.0	Pass	42.0	Pass	
V_off	35.8	Volts	30.0	Pass	37.0	Pass	
Inrush_E	0.079	W-s	0.000	Pass	0.380	Pass	
ALTA, MDI X Type-1 Grant							
Pclass_PD_1	10.26	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_1	10.29	Watts	0.00	Pass	14.40	Pass	
Max_Load_1	214.8	mA	10.0	Pass	300.0	Pass	
MPS_Load_1	213.3	mA	10.0	Pass	270.8	Pass	
Average_Load_1	213.9	mA	2.3	Pass	270.8	Pass	
ALTA, MDI X Type-2 Grant							
I_Mark	0.3	mA	0.0	Pass	4.0	Pass	
Pclass_PD_2	10.06	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_2	10.11	Watts	0.00	Pass	14.40	Pass	
P_Type-1	4.90	Watts	0.00	Pass	14.40	Pass	
Max_Load_2	187.4	mA	10.0	Pass	266.7	Pass	
MPS_Load_2	185.4	mA	10.0	Pass	240.7	Pass	
Average_Load_2	186.5	mA	2.3	Pass	240.7	Pass	
ALT-B, MDI Unpowered PD							
R_detect	25.04	Kohm	23.70	Pass	26.30	Pass	
C_detect	0.120	uF	0.050	Pass	0.120	Pass	
I_Class	27.6	mA	26.0	Pass	30.0	Pass	
Class	3	----	0	Pass	4	Pass	
Type	1	----	1	Pass	2	Pass	
V_om	36.2	Volts	30.0	Pass	42.0	Pass	
V_off	35.7	Volts	30.0	Pass	37.0	Pass	
Inrush_E	0.081	W-s	0.000	Pass	0.380	Pass	
ALT-B, MDI Type-1 Grant							
Pclass_PD_1	9.97	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_1	10.02	Watts	0.00	Pass	14.40	Pass	
Max_Load_1	206.6	mA	10.0	Pass	300.0	Pass	
MPS_Load_1	207.4	mA	10.0	Pass	270.8	Pass	
Average_Load_1	207.8	mA	2.3	Pass	270.8	Pass	
ALT-B, MDI Type-2 Grant							
I_Mark	0.3	mA	0.0	Pass	4.0	Pass	
Pclass_PD_2	9.84	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_2	9.89	Watts	0.00	Pass	14.40	Pass	
P_Type-1	4.41	Watts	0.00	Pass	14.40	Pass	
Max_Load_2	181.3	mA	10.0	Pass	266.7	Pass	
MPS_Load_2	181.3	mA	10.0	Pass	240.7	Pass	
Average_Load_2	182.3	mA	2.3	Pass	240.7	Pass	
ALT-B, MDI X Unpowered PD							
R_detect	25.07	Kohm	23.70	Pass	26.30	Pass	
C_detect	0.120	uF	0.050	Pass	0.120	Pass	
I_Class	27.6	mA	26.0	Pass	30.0	Pass	
Class	3	----	0	Pass	4	Pass	
Type	1	----	1	Pass	2	Pass	
V_om	36.2	Volts	30.0	Pass	42.0	Pass	
V_off	35.7	Volts	30.0	Pass	37.0	Pass	
Inrush_E	0.081	W-s	0.000	Pass	0.380	Pass	
ALT-B, MDI X Type-1 Grant							
Pclass_PD_1	9.96	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_1	9.98	Watts	0.00	Pass	14.40	Pass	
Max_Load_1	206.3	mA	10.0	Pass	300.0	Pass	
MPS_Load_1	207.0	mA	10.0	Pass	270.8	Pass	
Average_Load_1	207.5	mA	2.3	Pass	270.8	Pass	
ALT-B, MDI X Type-2 Grant							
I_Mark	0.3	mA	0.0	Pass	4.0	Pass	
Pclass_PD_2	9.89	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_2	9.88	Watts	0.00	Pass	14.40	Pass	
P_Type-1	4.73	Watts	0.00	Pass	14.40	Pass	
Max_Load_2	181.1	mA	10.0	Pass	266.7	Pass	
MPS_Load_2	181.4	mA	10.0	Pass	240.7	Pass	
Average_Load_2	182.2	mA	2.3	Pass	240.7	Pass	
Average-Over-Pairs Unpowered PD							
R_detect	25.05	Kohm	23.70	Pass	26.30	Pass	
C_detect	0.120	uF	0.050	Pass	0.120	Fail	
I_Class	27.6	mA	26.0	Pass	30.0	Pass	
Class	3	----	0	Pass	4	Pass	
Type	1	----	1	Pass	2	Pass	
V_om	36.2	Volts	30.0	Pass	42.0	Pass	
V_off	35.6	Volts	30.0	Pass	37.0	Pass	
Inrush_E	0.081	W-s	0.000	Pass	0.380	Pass	
Average-Over-Pairs Type-1 Grant							
Pclass_PD_1	10.12	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_1	10.15	Watts	0.00	Pass	14.40	Pass	
Max_Load_1	211.7	mA	10.0	Pass	300.0	Pass	
MPS_Load_1	210.2	mA	10.0	Pass	270.8	Pass	
Average_Load_1	210.8	mA	2.3	Pass	270.8	Pass	
Average-Over-Pairs Type-2 Grant							
I_Mark	0.3	mA	0.0	Pass	4.0	Pass	
Pclass_PD_2	9.96	Watts	0.00	Pass	13.00	Pass	
Ppeak_PD_2	10.00	Watts	0.00	Pass	14.40	Pass	
P_Type-1	4.90	Watts	0.00	Pass	14.40	Pass	
Max_Load_2	185.3	mA	10.0	Pass	266.7	Pass	
MPS_Load_2	183.5	mA	10.0	Pass	240.7	Pass	
Average_Load_2	184.4	mA	2.3	Pass	240.7	Pass	