

FORM: 024-SW-DTA

DATE: 4 01 03

AMERICAN MICROWAVE CORPORATION

7311-G GROVE RD., FREDERICK MD. 21704

TEL: 301-662-4700 FAX: 301-662-4938

URL: WWW.AMERICANMICROWAVECORP.COM

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**FINAL TEST DATA
ON
MICROWAVE SWITCH**

CUSTOMER: BAEJOB NO: 302020MODEL NO: SWN-RRA-2DR-LSISERIAL NO: 2MS303066CURRENT DRAW: + 5 VDC @ 53 mA; - 15 VDC @ 63 mATECHNICIAN: J. PHUNGPART NO: 8202761P001OPTION NO: LSISPECIFICATION: FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON dB	OUTPUT ON VSWR	OUTPUT OFF dB	OUTPUT OFF VSWR
J1-J2 <u>2.32</u> dB @ 8.0-18.0 GHz	<u>12.57</u> dB	<u>1.62</u> : 1	<u>10.47</u> dB	<u>1.86</u> : 1	<u>—</u> dB	<u>—</u> : 1
J1-J3 <u>1.91</u> dB @ 8.0-18.0 GHz	<u>12.15</u> dB	<u>1.66</u> : 1	<u>11.91</u> dB	<u>1.68</u> : 1	<u>—</u> dB	<u>—</u> : 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1
dB @ GHz	dB : 1	: 1	dB : 1	: 1	dB : 1	: 1

ISOLATION	SWITCHING SPEED			
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME
J1-J2 <u>65</u> dB @ 8.0-18.0 GHz	<u>43</u> nS	<u>3</u> nS	<u>53</u> nS	<u>3</u> nS
J1-J3 <u>65</u> dB @ 8.0-18.0 GHz	<u>50</u> nS	<u>3</u> nS	<u>56</u> nS	<u>4</u> nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS

NOTE: Any additional test data on back

TESTED ON: HP8722ESQA/QC APPROVAL: Dwight V. SmithDATED: 4/01/03

FORM: 024-SW-DTA

DATE: 4-01-03



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**FINAL TEST DATA
 ON
 MICROWAVE SWITCH**

CUSTOMER: BAE
 JOB NO: 302020
 MODEL NO: SWN-RRA-2DR-LSI
 SERIAL NO: 2MS 303067
 CURRENT DRAW: +5 VDC @ 53 mA; -15 VDC @ 64 mA

TECHNICIAN: T. PHUNG
 PART NO: 8202761P001
 OPTION NO: LSI
 SPECIFICATION:
 FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2 1.89 dB @ 8.0-18.0 GHz	12.68 dB	1.61 : 1	13.14 dB	1.57 : 1	-	1. : 1
J1-J3 2.29 dB @ 8.0-18.0 GHz	13.13 dB	1.57 : 1	12.40 dB	1.63 : 1	-	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
ISOLATION	SWITCHING SPEED					
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2 65 dB @ 8.0-18.0 GHz	55 nS	5 nS	55 nS	10 nS		
J1-J3 65 dB @ 8.0-18.0 GHz	55 nS	5 nS	55 nS	10 nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		

NOTE: Any additional test data on back

TESTED ON: HP8722ES

QA/QC APPROVAL: Dwight V. Smith Q2 DATED: 4/01/03

FORM: 024-SW-DTA

DATE: 4-01-03



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**FINAL TEST DATA
 ON
 MICROWAVE SWITCH**

CUSTOMER: BAE
 JOB NO: 302020
 MODEL NO: SWN-RRA-2DR-LSI
 SERIAL NO: 2MS 303068
 CURRENT DRAW: +5 VDC @ 53 mA; -15 VDC @ 64 mA

TECHNICIAN: T. PHUNG
 PART NO: 8202761P001
 OPTION NO: LSI
 SPECIFICATION:
 FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2 <u>1.90</u> dB @ 8.0-18.0 GHz	<u>12.09</u> dB:1.	<u>60</u> : 1	<u>11.47</u> dB:1.	<u>73</u> : 1	<u>—</u> dB:1.	<u>—</u> : 1
J1-J3 <u>1.77</u> dB @ 8.0-18.0 GHz	<u>13.30</u> dB:1.	<u>55</u> : 1	<u>13.06</u> dB:1.	<u>57</u> : 1	<u>—</u> dB:1.	<u>—</u> : 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
ISOLATION	SWITCHING SPEED					
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2 <u>65</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>10</u> nS		
J1-J3 <u>65</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>10</u> nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		

NOTE: Any additional test data on back

TESTED ON: HP 8722ES

QA/QC APPROVAL: Dwight V. Smith **02** DATED: 4/01/03

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**FINAL TEST DATA
 ON
 MICROWAVE SWITCH**

CUSTOMER: BAE
 JOB NO: 302020
 MODEL NO: SWN-RRA-2DR-LSI
 SERIAL NO: 2MS303069
 CURRENT DRAW: +5 VDC @ 54 mA; -15 VDC @ 64 mA

TECHNICIAN: T. PHUNG
 PART NO: 8202761P001
 OPTION NO: LSI
 SPECIFICATION:
 FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2 <u>2.17</u> dB @ 8.0-18.0 GHz	<u>11.50</u> dB:1.	<u>73</u> : 1	<u>11.25</u> dB:1.	<u>75</u> : 1	<u>-</u> dB:1.	<u>-</u> : 1
J1-J3 <u>2.05</u> dB @ 8.0-18.0 GHz	<u>11.23</u> dB:1.	<u>76</u> : 1	<u>10.34</u> dB:1.	<u>87</u> : 1	<u>-</u> dB:1.	<u>-</u> : 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
ISOLATION	SWITCHING SPEED					
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2 <u>62</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>10</u> nS	<u>55</u> nS	<u>10</u> nS		
J1-J3 <u>62</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>10</u> nS	<u>55</u> nS	<u>5</u> nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		

NOTE: Any additional test data on back

TESTED ON: 4p8722Es
 QA/QC APPROVAL: Dwight V. Smith **Q2** DATED: 4/01/03

FORM: 024-SW-DTA

DATE: 4-01-03



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FINAL TEST DATA ON MICROWAVE SWITCH

CUSTOMER: BAE
JOB NO: 302020
MODEL NO: SWN-RRA-2DR-LSI
SERIAL NO: 2MS 303070
CURRENT DRAW: +5 VDC @ 54mA; -15 VDC @ 64 mA

TECHNICIAN: T. PHUNG
PART NO: 8202761P001
OPTION NO: LSI
SPECIFICATION:
FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON dB	OUTPUT ON VSWR	OUTPUT OFF dB	OUTPUT OFF VSWR
J1-J2 <u>1.92</u> dB @ 8.0-18.0 GHz	<u>11.54</u> dB	<u>1.72</u> : 1	<u>10.90</u> dB	<u>1.80</u> : 1	<u>-</u> dB	<u>1.00</u> : 1
J1-J3 <u>1.78</u> dB @ 8.0-18.0 GHz	<u>11.89</u> dB	<u>1.68</u> : 1	<u>11.17</u> dB	<u>1.76</u> : 1	<u>-</u> dB	<u>1.00</u> : 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
ISOLATION	SWITCHING SPEED					
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2 <u>65</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>5</u> nS		
J1-J3 <u>65</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>5</u> nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		

NOTE: Any additional test data on back

TESTED ON: HP8722ES

QA/QC APPROVAL: Dwight V. Smith **02** DATED: 4/01/03

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**FINAL TEST DATA
 ON
 MICROWAVE SWITCH**

CUSTOMER: BAE
 JOB NO: 302020
 MODEL NO: SWN-RRA-2DR-LSI
 SERIAL NO: 2MS303071
 CURRENT DRAW: + 5 VDC @ 54mA; - 15 VDC @ 64mA

TECHNICIAN: T. PHUNG
 PART NO: 8202761P001
 OPTION NO: LSI
 SPECIFICATION:
 FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2 1.90 dB @ 8.0-18.0 GHz	11.43 dB	1.73 : 1	12.16 dB	1.65 : 1	-	1. : 1
J1-J3 1.77 dB @ 8.0-18.0 GHz	12.16 dB	1.65 : 1	11.73 dB	1.70 : 1	-	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
dB @ GHz	dB	1. : 1	dB	1. : 1	dB	1. : 1
ISOLATION	SWITCHING SPEED					
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2 65 dB @ 8.0-18.0 GHz	50 nS	3 nS	55 nS	10 nS		
J1-J3 65 dB @ 8.0-18.0 GHz	50 nS	3 nS	55 nS	10 nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		

NOTE: Any additional test data on back

TESTED ON: HP 8722ES

QA/QC APPROVAL: Dwight V. Smith **02** DATED: 4/01/03

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**FINAL TEST DATA
 ON
 MICROWAVE SWITCH**

CUSTOMER: BAE
 JOB NO: 302020
 MODEL NO: SWN-RRA-2DR-LSI
 SERIAL NO: 2MS303072
 CURRENT DRAW: +5 VDC @ 55mA; -15 VDC @ 64mA

TECHNICIAN: T. PHUNG
 PART NO: 8202761P001
 OPTION NO: LSI
 SPECIFICATION:
 FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2 <u>2.27</u> dB @ 8.0-18.0 GHz	<u>10.66</u> dB:1.	<u>83</u> : 1	<u>10.25</u> dB:1.	<u>89</u> : 1	- dB:1.	: 1
J1-J3 <u>1.85</u> dB @ 8.0-18.0 GHz	<u>10.15</u> dB:1.	<u>90</u> : 1	<u>10.82</u> dB:1.	<u>81</u> : 1	- dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
dB @ GHz	dB:1.	: 1	dB:1.	: 1	dB:1.	: 1
ISOLATION	SWITCHING SPEED					
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME		
J1-J2 <u>65</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>10</u> nS		
J1-J3 <u>65</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>10</u> nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		
dB @ GHz	nS	nS	nS	nS		

NOTE: Any additional test data on back

TESTED ON: 4P8722ES

QA/QC APPROVAL: Dwight V. Smith **02** DATED: 4/01/03

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FINAL TEST DATA ON MICROWAVE SWITCH

CUSTOMER: BAE
JOB NO: 302020
MODEL NO: SWN-RRA-2DR-LSI
SERIAL NO: 2MS 303073
CURRENT DRAW: + 5 VDC @ 54 mA; - 15 VDC @ 63 mA

TECHNICIAN: T. PHUNG
PART NO: 8202761P001
OPTION NO: LSI
SPECIFICATION:
FREQUENCY RANGE: 8.0 - 18.0 GHz

INSERTION LOSS (WORST CASE)	RETURN LOSS (WORST CASE)					
	INPUT dB	INPUT VSWR	OUTPUT ON db	OUTPUT ON VSWR	OUTPUT OFF db	OUTPUT OFF VSWR
J1-J2 <u>2.16</u> dB @ 8.0-18.0 GHz	<u>11.03</u> dB	<u>1.78</u> : 1	<u>10.65</u> dB	<u>1.83</u> : 1	<u>—</u> dB	<u>1. : 1</u>
J1-J3 <u>2.33</u> dB @ 8.0-18.0 GHz	<u>11.20</u> dB	<u>1.76</u> : 1	<u>11.10</u> dB	<u>1.77</u> : 1	<u>—</u> dB	<u>1. : 1</u>
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1
dB @ GHz	dB	: 1	dB	: 1	dB	: 1

ISOLATION	SWITCHING SPEED			
	DELAY ON	RISE TIME	DELAY OFF	FALLTIME
J1-J2 <u>63</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>10</u> nS
J1-J3 <u>63</u> dB @ 8.0-18.0 GHz	<u>55</u> nS	<u>5</u> nS	<u>55</u> nS	<u>10</u> nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS
dB @ GHz	nS	nS	nS	nS

NOTE: Any additional test data on back

TESTED ON: HP8722ES

QA/QC APPROVAL: Dwight V. Smith

Q2

DATED: 4/01/03