

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. A00001	3. EFFECTIVE DATE 5/16/2012	4. REQUISITION/PURCHASE REQ. NO. 57-3025-12	5. PROJECT NO. (If applicable)	
6. ISSUED BY Supply Officer (Code 3410) Naval Research Laboratory Phone: 202-767-2022 E-mail: Georgianna.Romero@nrl.navy.mil	CODE N00173	7. ADMINISTERED BY (If other than Item 6) Purchasing Officer (Code 3410) Naval Research Laboratory 4555 Overlook Avenue, S.W. Washington, DC 20375-5329	CODE N00173	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) All Quoters			(X) 9A. AMENDMENT OF SOLICITATION NO. N0173-12-Q-0117	9B. DATED (SEE ITEM 11) 3/29/2012
			10A. MODIFICATION OF CONTRACT/ORDER NO.	10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Continued on Page 2

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Georgianna L. Romero/Purchasing Agent	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	5/16/12

This amendment is issued to reopen and extend the Request for Quotation (RFQ) closing date and to answer questions regarding the specifications.

The above referenced order is amended as follows:

Reopen and extend the RFQ to 05/21/2012 at 4:00 p.m. Eastern Standard Time. All previously received quotations will be considered.

The below questions and answers do apply to the RFQ:

Question: Can you please provide me with more specifications for the switches?

Answer:

Line Item 001, SPST Switch, Non-reflective:

Single Pole Single Throw Solid State Switch with Integral TTL Driver

Frequency: 500 MHz to 18 GHz

Insertion Loss: 3.5 dB Maximum

Isolation from 500 MHz to 18 GHz: 60 dB minimum

VSWR: 2.0:1 maximum

Speed:

Rise: 15 nsec Maximum

Fall: 15 nsec Maximum

Delay On: 100 nsec Maximum

Delay Off: 100 nsec Maximum

Turn On: 20 nsec Maximum

Turn Off: 20 nsec Maximum

Power Input:

Continuous Wave: +20 dBm

High Speed: +10 dBm

Digital Control: TTL 1-bit logic

RF Input/Output: SMA (Female)

Power Supply: +5V @ 100 mA Maximum

Power Survival: 1 W CW or 10 W Peak for 1µsec duration

Physical Size: 1.00" x 1.00" x 0.50"

Line Item 002, SPDT Reflective Switch:

Single Pole Double Throw Solid State Switch with Integral TTL Driver

Frequency: 500 MHz to 18 GHz

Insertion Loss: 2.5 dB Maximum

Isolation from 500 MHz to 18 GHz: 60 dB minimum

VSWR: 2.0:1 maximum

Speed:

Rise: 15 nsec Maximum

Fall: 15 nsec Maximum

Delay On: 100 nsec Maximum

Delay Off: 100 nsec Maximum

Turn On: 20 nsec Maximum

Turn Off: 20 nsec Maximum

Power Input:

Continuous Wave: +20 dBm

High Speed: +10 dBm

Digital Control: TTL 1-bit logic

Power Supply: +5V @ 100 mA Maximum -5V @ 75 mA Maximum

RF Input/Output : SMA (Female)

Power Survival: 1 W CW or 10 W Peak for 1 μ sec duration

Physical Size: 1.20" x 1.00" x 0.50"

Line Item 003, SP3T Reflective Switch:

Single Pole Triple Throw Solid State Switch with Integral TTL Driver

Frequency: 500 MHz to 18 GHz

Insertion Loss: 2.75 dB Maximum

Isolation from 500 MHz to 18 GHz: 60 dB minimum

VSWR: 2.0:1 maximum

Speed:

Rise: 15 nsec Maximum

Fall: 15 nsec Maximum

Delay On: 100 nsec Maximum

Delay Off: 100 nsec Maximum

Turn On: 25 nsec Maximum

Turn Off: 25 nsec Maximum

Power Input:

Continuous Wave: +20 dBm

High Speed: +10 dBm

Digital Control: TTL 2-bit logic

Power Supply: +5V @ 150 mA Maximum and -5V @ 75 mA Maximum

RF Input/Output : SMA (Female)

Power Survival: 1 W CW or 10 W Peak for 1 μ sec duration

Physical Size: 1.25" x 1.25" x 0.40"

Phase Match: $\pm 5^\circ$ (Port to Port)

Line Item 004, SP4T Reflective Switch:

Single Pole Quadruple Throw Solid State Switch with Integral TTL Driver

Frequency: 500 MHz to 18 GHz

Insertion Loss: 3.0 dB Maximum

Isolation from 500 MHz to 18 GHz: 60 dB minimum

VSWR: 2.0:1 maximum

Speed:

Rise: 15 nsec Maximum

Fall: 15 nsec Maximum

Delay On: 100 nsec Maximum

Delay Off: 100 nsec Maximum

Turn On: 25 nsec Maximum

Turn Off: 25 nsec Maximum

Power Input:

Continuous Wave: +20 dBm

High Speed: +10 dBm

Digital Control: TTL 2-bit logic

Power Supply: +5V @ 200 mA Maximum and -5V @ 75 mA Maximum

RF Input/Output : SMA (Female)

Power Survival: 1 W CW or 10 W Peak for 1 μ sec duration

Physical Size: 1.25" x 1.25" x 0.40"

Phase Match: $\pm 5^\circ$ (Port to Port)

Line Item 005, Digital Attenuator:

Digital Variable attenuator

Frequency Range: 500 MHz to 18 GHz

Digital Control: 8-bit TTL control

Attenuation Flatness:

@ 10 dB = ± 1.0 dB

@ 20 dB = ± 1.5 dB

@ 40 dB = ± 3.0 dB

@ 60 dB = ± 5.5 dB

Attenuation Accuracy:

For 0-30 dB = ± 1.0 dB

For >30-50 dB = ± 1.3 dB

For >50-60 dB = ± 1.5 dB

Attenuation Step: 0.25 dB (minimum)

Total Attenuation = 64dB Maximum

Switching Time: $\leq 1.5\mu\text{sec}$

Return Loss: -12 dB typical -8.5dB Maximum

Power Rating: +20 dBm

Power Supply +12V @ 150mA Maximum

Power and Controls: 15 Pin Micro-D Female Mating Connector

RF Input/Output : SMA (Female)

Physical Size: 2.00" x 1.81" x 0.50"

No additional questions will be accepted regarding this RFQ. All other terms and conditions will remain the same.