FOX Electronics

http://www.foxonline.com

THE WORLD LEADER FOR FREQUENCY CONTROL SOLUTIONS

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Product Change Notification

PCN Publish Date: 04/26/2006

PCN#: 247

Change Title: JITO-2, JITO-T Frequency Range Change

Products Affected: JITO-2 and JITO-T: frequencies lower than 1.000 MHz
See table on the following page for specific model and part numbers.

Description of Change to the Customer: In an effort to focus our JITO-2 and JITO-T product line on market requirements, the lower available frequency limit for all JITO-2 and JITO-T versions is changing to 1.000 MHz.

Suggested substitutions are listed in the table on the following page:

(Note: We recommend a sample be evaluated in all applications before making a substitution.)

Schedule of Change: Change is effective immediately.

Customer Impact and Response: We sincerely hope this change will have minimal impact on our customers. If you have any questions or need assistance in determining a suitable substitution, please email Fox Technical Support at www.foxonline.com/email.htm or call 239-693-0099.

JITO-2 AND JITO-T, MODEL / PART NUMBERS AND RECOMMENDED SUBSTITUTIONS FOR FREQUENCIES LESS THAN 1.000 MHz
04/26/2006

JITO-2 SERIES

FOX PART NUMBER	FOX MODEL DESCRIPTION	DESCRIPTION	RECOMMENDED SUBSTITUTION
405- Frequency-**xxxxx**[1]	JITO-2-DC3 **yy** [2]	7x5mm SMD, 3.3V, HCMOS, Tristate	F4100 Series
	JITO-2-DS3 **yy** [2]	7x5mm SMD, 3.3V, HCMOS, Standby	
	JITO-2-DC5 **yy** [2]	7x5mm SMD, 5V, HCMOS, Tristate	No available substitution
	JITO-2-DS5 **yy** [2]	7x5mm SMD, 5V, HCMOS, Standby	
	JITO-2-DP3 **yy** [2]	7x5mm SMD, 3.3V, PECL	
	JITO-2-DP5 **yy** [2]	7x5mm SMD, 5V, PECL	
403-Frequency-**xxxxx**[1]	JITO-2-AC3 **yy**[2]	14 Pin DIP, 3.3V, HCMOS	Custom JITO-T-A Package[3]
	JITO-2-AC5 **yy**[2]	14 Pin DIP, 5V, HCMOS	No available substitution
	JITO-2-AP3 **yy** [2]	14 Pin DIP / 3.3V / PECL, Single Output	
	JITO-2-AP5 **yy** [2]	14 Pin DIP / 5V / PECL, Single Output	
404- Frequency-**xxxxx**[1]	JITO-2-BC3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS	Custom JITO-T-B Package[3]
	JITO-2-BC5 **yy** [2]	8 Pin DIP, 5V, HCMOS	No available substitution
	JITO-2-BP3 **yy** [2]	8 Pin DIP, 3.3V, PECL, Single Output	
	JITO-2-BP5 **yy** [2]	8 Pin DIP, 5V, PECL, Single Output	

JITO-T SERIES

FOX PART NUMBER	FOX MODEL DESCRIPTION	DESCRIPTION	RECOMMENDED SUBSTITUTION
453- Frequency-**xxxxx**[1]	JITO-T-ACB3 **yy** [2]	14 Pin DIP, 3.3V, HCMOS, Tri-state	Custom JITO-T-A Package[3]
	JITO-T-ACS3 **yy** [2]	14 Pin DIP, 3.3V, HCMOS, Standby	
	JITO-T-AVA3 **yy** [2]	14 Pin DIP, 3.3V, HCMOS, Independent 2nd Frequency	
	JITO-T-ACB5 **yy** [2]	14 Pin DIP, 5V, HCMOS, Tri-state	No available substitution
	JITO-T-ACS5 **yy** [2]	14 Pin DIP, 5V, HCMOS, Standby	
	JITO-T-AWB3 **yy** [2]	14 Pin DIP, 3.3V, PECL, Single Output, Tristate	
	JITO-T-AWB5 **yy** [2]	14 Pin DIP, 5V, PECL, Single Output, Tristate	
	JITO-T-AWS3 **yy** [2]	14 Pin DIP, 3.3V, PECL, Single Output, Standby	
	JITO-T-AWS5 **yy** [2]	14 Pin DIP, 5V, PECL, Single Output, Standby	
	JITO-T-APA3 **yy** [2]	14 Pin DIP, 3.3V, PECL, Complementary Output	
	JITO-T-APA5 **yy** [2]	14 Pin DIP, 5V, PECL, Complementary Output	
	JITO-T-AVA5 **yy** [2]	14 Pin DIP, 5V, HCMOS, Independent 2nd Frequency	
	JITO-T-AXA3 **yy** [2]	14 Pin DIP, 3.3V, HCMOS, 2nd Ouput Divide By 2	
	JITO-T-AXA5 **yy** [2]	14 Pin DIP, 5V, HCMOS, 2nd Ouput Divide By 2	
	JITO-T-AYA3 **yy** [2]	14 Pin DIP, 3.3V, HCMOS, 2nd Ouput Divide By 4	
	JITO-T-AYA5 **yy** [2]	14 Pin DIP, 5V, HCMOS, 2nd Ouput Divide By 4	
	JITO-T-AZA3 **yy** [2]	14 Pin DIP, 3.3V, HCMOS, 2nd Ouput Divide By 8	
	JITO-T-AZA5 **yy** [2]	14 Pin DIP, 5V, HCMOS, 2nd Ouput Divide By 8	

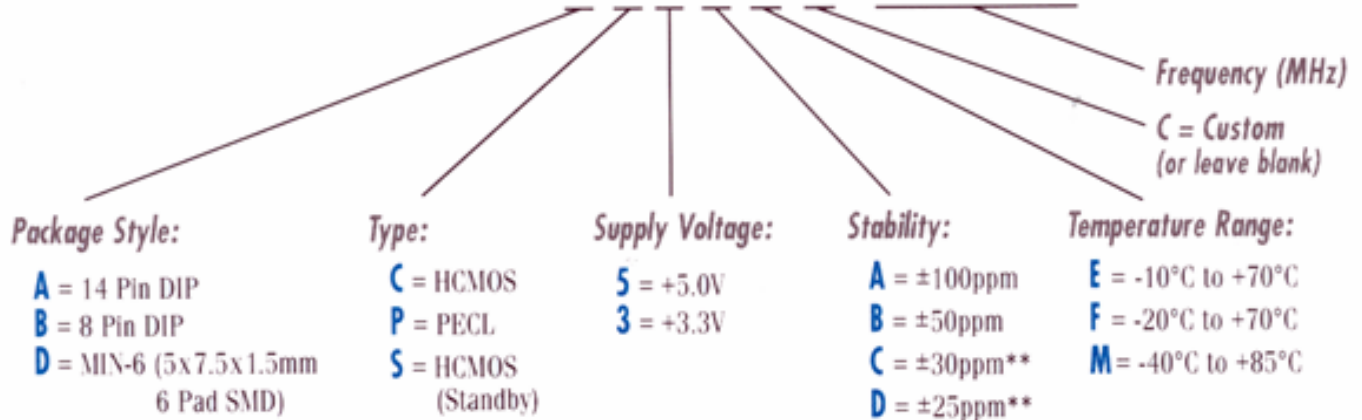| FOX PART NUMBER	FOX MODEL DESCRIPTION	DESCRIPTION	RECOMMENDED SUBSTITUTION
454- Frequency-**xxxxx**[1]	JITO-T-BCB3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS, Tri-state	Custom JITO-T-B Package[3]
	JITO-T-BCS3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS, Standby	
	JITO-T-BVA3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS, Independent 2nd Frequency	
	JITO-T-BCB5 **yy** [2]	8 Pin DIP, 5V, HCMOS, Tri-state	No available substitution
	JITO-T-BCS5 **yy** [2]	8 Pin DIP, 5V, HCMOS, Standby	
	JITO-T-BWB3 **yy** [2]	8 Pin DIP, 3.3V, PECL, Single Output, Tristate	
	JITO-T-BWB5 **yy** [2]	8 Pin DIP, 5V, PECL, Single Output, Tristate	
	JITO-T-BWS3 **yy** [2]	8 Pin DIP, 3.3V, PECL, Single Output, Standby	
	JITO-T-BWS5 **yy** [2]	8 Pin DIP, 5V, PECL, Single Output, Standby	
	JITO-T-BPA3 **yy** [2]	8 Pin DIP, 3.3V, PECL, Complementary Output	
	JITO-T-BPA5 **yy** [2]	8 Pin DIP, 5V, PECL, Complementary Output	
	JITO-T-BVA5 **yy** [2]	8 Pin DIP, 5V, HCMOS, Independent 2nd Frequency	
	JITO-T-BXA3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS, 2nd Ouput Divide By 2	
	JITO-T-BXA5 **yy** [2]	8 Pin DIP, 5V, HCMOS, 2nd Ouput Divide By 2	
	JITO-T-BYA3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS, 2nd Ouput Divide By 4	
	JITO-T-BYA5 **yy** [2]	8 Pin DIP, 5V, HCMOS, 2nd Ouput Divide By 4	
	JITO-T-BZA3 **yy** [2]	8 Pin DIP, 3.3V, HCMOS, 2nd Ouput Divide By 8	
	JITO-T-BZA5 **yy** [2]	8 Pin DIP, 5V, HCMOS, 2nd Ouput Divide By 8	

[1] **xxxxx** = random number
[2] **yy** = stability and temp range. See attached JITO-2 Part Description Guide or JITO-T Part Description Guide.
[3] Fixed frequency, SMD devices with the desired output characteristics can be mounted in a JITO-T-A or JITO-T-B package.

For more information on Fox part numbers, see http://foxonline.com/onefamilytype.asp on the Fox website.

JITO®-2 PART DESCRIPTION GUIDE

JITO®-2 - B C 3 A M C – 106.250000

Frequency (MHz)

C = Custom
(or leave blank)

Package Style:
A = 14 Pin DIP
B = 8 Pin DIP
D = MIN-6 (5x7.5x1.5mm
6 Pad SMD)

Type:
C = HCMOS
P = PECL
S = HCMOS
(Standby)

Supply Voltage:
5 = +5.0V
3 = +3.3V

Stability:
A = ±100ppm
B = ±50ppm
C = ±30ppm**
D = ±25ppm**

Temperature Range:
E = -10°C to +70°C
F = -20°C to +70°C
M = -40°C to +85°C

JITO-T PART DESCRIPTION GUIDE

JITO-T - ___ ___ ___ ___ ___ ___ - Frequency (MHz)

Package:
A = 14 pin DIP
B = 8 pin DIP

Output Type:
C = HCMOS
P = PECL / Comp. Output
W = PECL
V = 2nd HCMOS Ouput / Independent 2nd Frequency
X = 2nd HCMOS Output / ÷2
Y = 2nd HCMOS Output / ÷4
Z = 2nd HCMOS Output / ÷8

State:
A = No E/D
B = E/D Tri-State
S = E/D Standby

Voltage:
5 = +5V
3 = +3.3V

Stability:
A = ±100ppm
B = ±50ppm
C = ±30ppm
D = ±25ppm
E = ±20ppm (F temp only)

Temperature Range:
F = -20°C to +70°C
M = -40°C to +85°C

Custom:
(or leave blank)

C = Custom
(Please attach drawing and/or additional electrical specs for our engineering dept.)