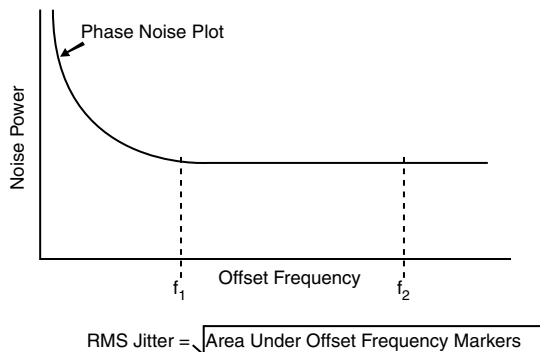
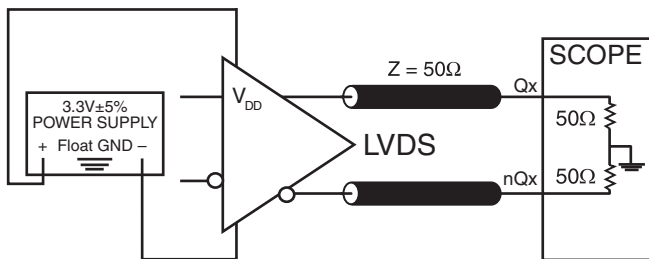


Product Discontinuance Notice – Last Time Buy Expires on (10/24/2013)

IDT Replacement Part Number: 8N4S270EC-1088CDI, 8N4S270EC-1088CDI8

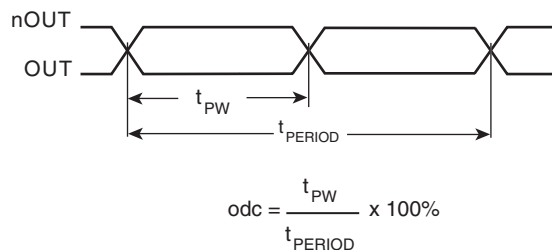
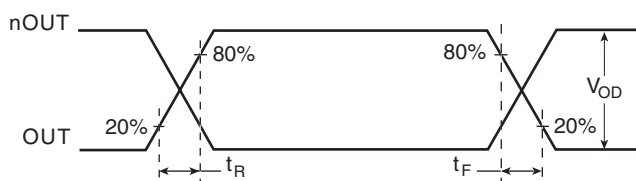
Fox Replacement Part Number: 771-156.25-74

PARAMETER MEASUREMENT INFORMATION



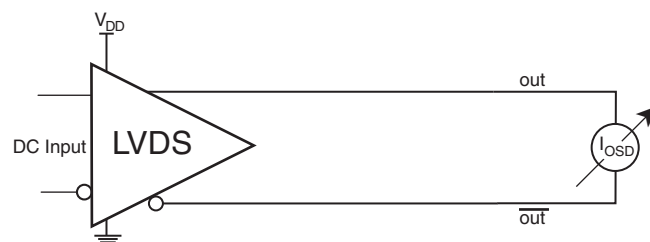
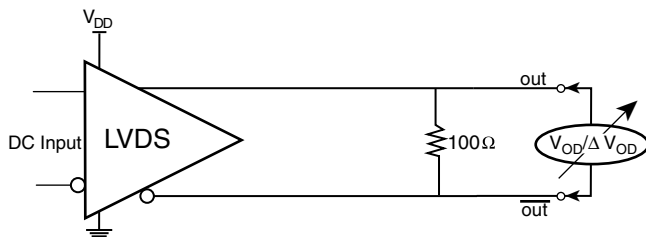
3.3V OUTPUT LOAD AC TEST CIRCUIT

RMS PHASE JITTER



OUTPUT RISE/FALL TIME

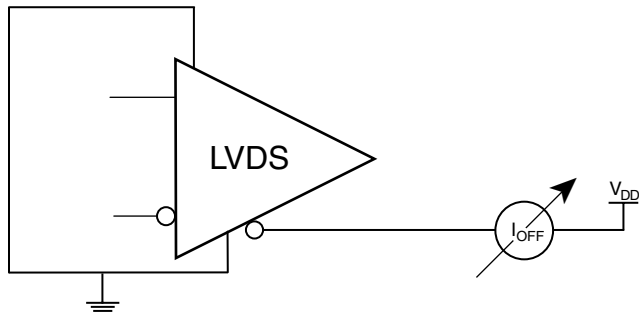
OUTPUT DUTY CYCLE/PULSE WIDTH/PERIOD



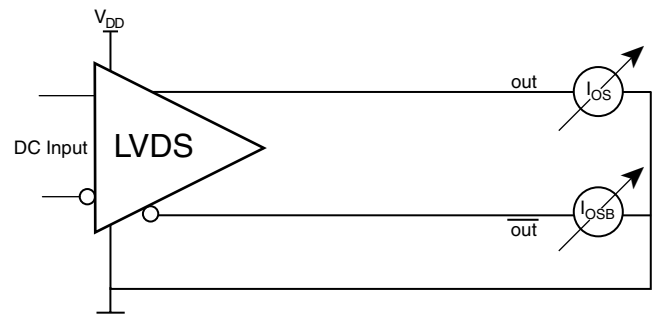
DIFFERENTIAL OUTPUT VOLTAGE SETUP

DIFFERENTIAL OUTPUT SHORT CIRCUIT SETUP

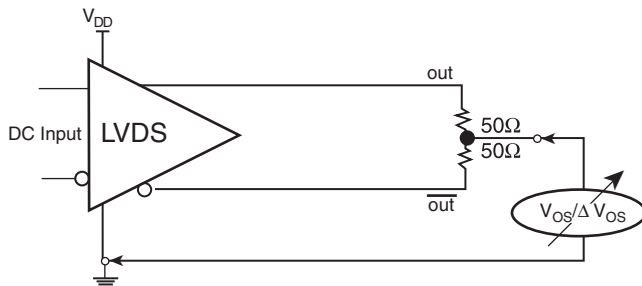
PARAMETER MEASUREMENT INFORMATION, CONTINUED



POWER OFF LEAKAGE SETUP



OUTPUT SHORT CIRCUIT CURRENT SETUP



OFFSET VOLTAGE SETUP

APPLICATION INFORMATION

3.3V LVDS DRIVER TERMINATION

A general LVDS interface is shown in *Figure 1*. In a 100Ω differential transmission line environment, LVDS drivers require a matched load termination of 100Ω across near

the receiver input. For a multiple LVDS outputs buffer, if only partial outputs are used, it is recommended to terminate the unused outputs.

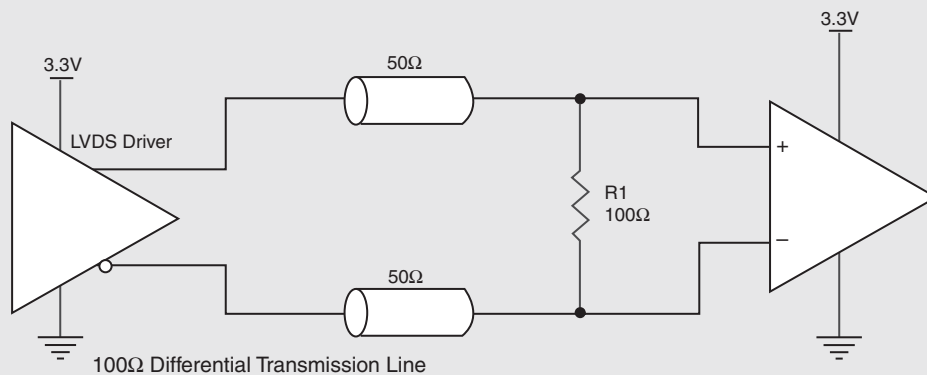
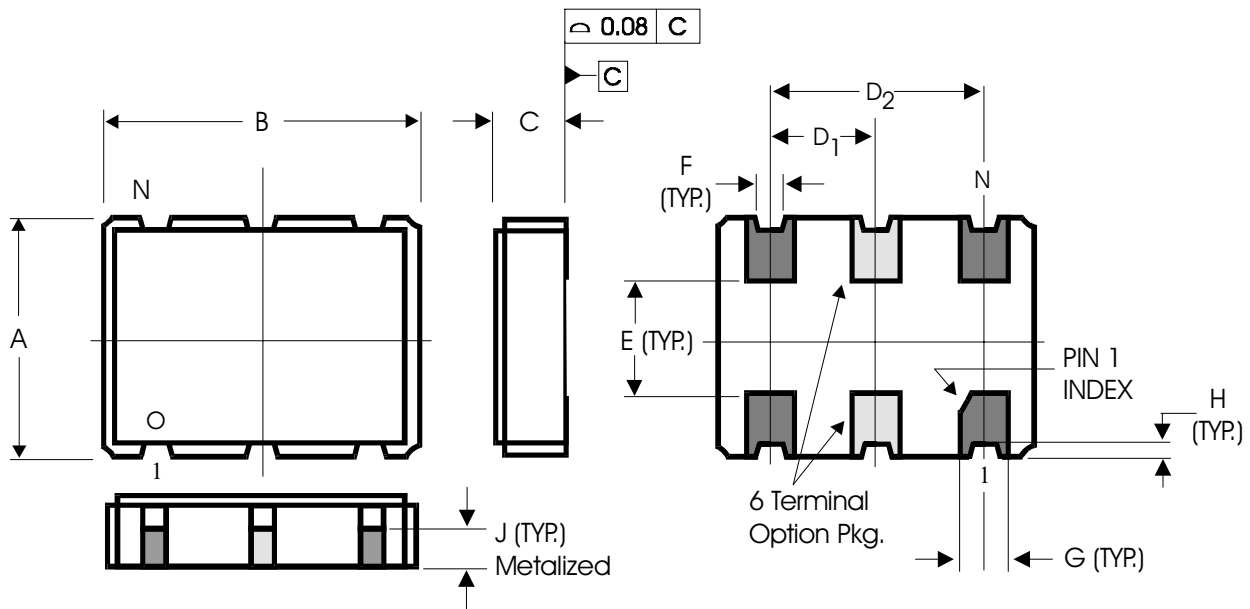


FIGURE 1. TYPICAL LVDS DRIVER TERMINATION

PACKAGE OUTLINE - J SUFFIX FOR 6 LEAD SMT CERHERMETIC, 5mm x 7mm x 1.5mm



DIMENSIONS IN MILLIMETERS		
SYMBOL	Nominal	Tolerance
A	5	±0.15
B	7	±0.15
C	1.5	±0.15
D ₁	2.54	±0.13
D ₂	5.08	±0.13
E	2.6	±0.13
F	0.6	±0.13
G	1.4	±0.13
H	0.15 Ref.	-
J	0.65 Ref.	-

ORDERING INFORMATION - 0°C TO + 70°C (COMMERCIAL)

Part/Order Number*	Marking*	Package	Shipping Packaging	Temperature
8MG4-156.250AJ	ICS8MG4 156.250	6 lead CERHERMETIC	Tube	0°C to 70°C
8MG4-156.250AJT	ICS8MG4 156.250	6 lead CERHERMETIC	1000 Tape & Reel	0°C to 70°C

PART/ORDER NUMBER INFORMATION

Part/Order Number: ICS8M x 4 - fff.fff r p t u

Device _____

Supply Voltage & Frequency Accuracy _____
 G = 3.3V ±50 ppm
 H = 3.3V ±100 ppm
 J = 2.5/3.3V ±50 ppm
 K = 2.5/3.3V ±100 ppm

Output Type _____
 4 = LVDS

Output Frequency (MHz) _____
 Leading zeroes dropped. Fourth decimal place added if necessary.
 Consult ICS for other frequencies.

Revision of Product _____
 A = Initial Release

Package Type (individual devices) _____
 J = 5x7mm ceramic SMT

Ambient Temperature Range _____
 none = commercial = 0°C to +70°C
 I = industrial = -40°C to +85°C

Bulk Packaging option _____
 none = tube
 T = tape and reel (1000 devices)

Note: Lead-free by default (no addition "LF" code needed).
 (Pb-free and RoHS complaint)

