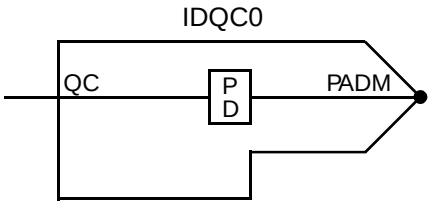
AMERICAN MICROSYSTEMS, INC.

AMI5HG 0.5 micron CMOS Gate Array

Description

IDQC0 is a non-buffered, resistive crystal oscillator input receiver piece with ESD protection.

Logic Symbol



Truth Table

PADM	QO
L	L
H	H

Pin Loading

	Load
PADM	4.90 pF

HDL Syntax

Verilog ..... IDQC0 *inst_name* (QO, PADM);

VHDL..... *inst_name*: IDQC0 port map (QO, PADM);

Power Characteristics

Parameter	Value	Units
Static I_{DD} (T_J = 85°C)	TBD	nA
EQL_{pd}	2.1	Eq-load

See page 2-15 for power equation.

Design Notes:

The IDQC0 cell is for backward compatibility with existing oscillator methodologies.