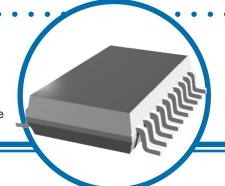
Schottky Diode Termination Network



QDN001 Series

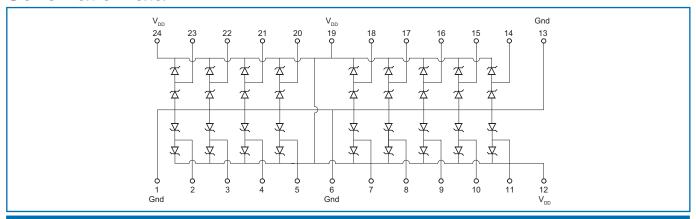
- Suitable for high speed memory bus applications
- RoHS compliant and Sn/Pb terminations available
- · Reduces overshoot and undershoot for all data line types
- Effective termination for both controlled/uncontrolled line terminations
- 36 Schottky diodes integrated in a QSOP package for fast turn-on/reverse recovery characteristics



Electrical Data

Parameter	Min Value	Max Value
Operating Voltage (V _{DD})	-0.3V	7.0V
Diode Forward Voltage		
Forward Current = 10mA Forward Current = 50mA	N/A	0.5V 0.8V
Channel Input Capacitance $(V_{IN} = 2.5V, V_{DD} = 5V, T = 25^{\circ}C)$	N/A	5pF
ESD Protection MIL-STD-883 Method 3015	N/A	±4KV
Channel Leakage Current (T = 25°C) (0 V _{IN} V _{DD})	N/A	0.1μΑ
Channel Clamp Current	N/A	±50mA
Package Power Rating	N/A	1.0W
Operating Temperature Range	0°C	+70°C
Storage Temperature Range	-65°C	+150°C

Schematic Data



General Note

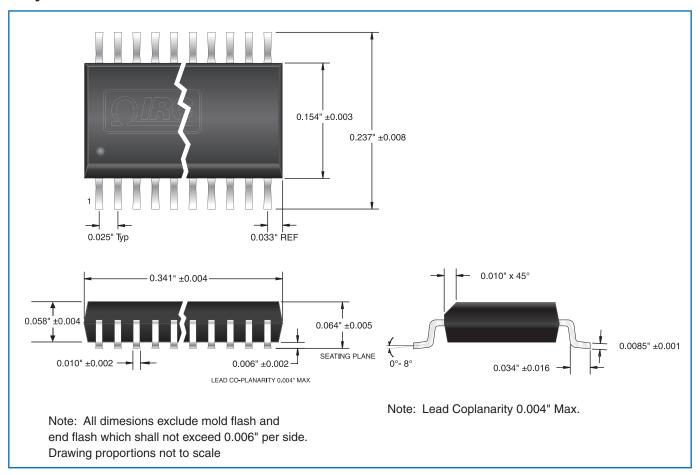
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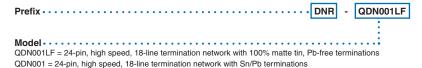
Schottky Diode Termination Network



Physical Data



Ordering Data



Packaging

Specify tubes or tape & reel.

For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.