Microsemi
SCOTTSDALE DIVISION

SOIC Reliability & Qualification Data

This is the reliability and qualification data for the SOIC series diode and TVS arrays

Features
Multiple TVS/Diode Array
SOIC 8 – 16 Pin Surface Mount Package
UL 94V-0 Flammability Classification
Pin #1 defined by DOT on top of package

Mechanical
Molded SOIC 8-16 Pin
Weight: 0.12 grams (approximate)
Marking: Logo, Part #, Date Code

Maximum Ratings (See individual data sheets for other ratings)
Operating Temperatures: -55° C to 150° C
Storage Temperature: -55° C to 150° C

Stress	Results
Moisture Classification	Level 1 Package - No Drypack Required
ESD Sensitivity	Non-sensitive – no special handling required
Autoclave	0/80 @ 100% Humidity @ 30 p.s.i. (96 Hours) 130° C
Temperature Cycle	0/240 @ 1000 temp. cycles (-65° C to 200° C)
High Temperature Reverse Bias	0/800 @ 125° C (1000 Hours)
Humidity	0/240 @ 85° C – 85% Humidity (1000 hours)

SOIC1101

Includes USB08,SM8,SM16,
SMDA,SMDB,S16,S8,SMPLC
USB6B1 series

John Freeman
Director of Engineering

Bill Jones
Director of Quality Control and
Reliability Assurance