

# BOURNS Thin Film on Silicon Isolated Resistors



## 2QSP/2NBS-XX1 SERIES ISOLATED

Isolated resistor networks are commonly used in digital circuits where series resistors are required on the system bus. Fabricated with Tantalum Nitride and Nickel Chromium technology on Silicon, these resistors feature excellent stability, TCR and tracking performance. This product series is available in a range of miniature package types conforming to JEDEC standards.

### Features:

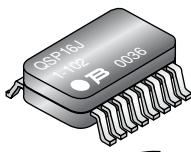
- Multiple isolated resistors
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

### Applications:

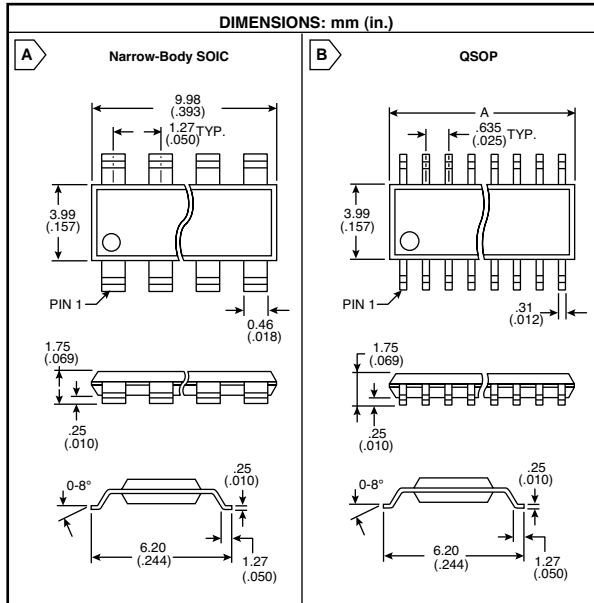
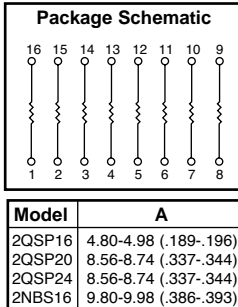
- Pull-up/pull-down
- Ideal for space-constrained applications

### Electrical Characteristics:

- Max. TCR: 150 ppm/°C
- Max. Operating Voltage: 50V
- Operating Temperature: -55/+125°C



RoHS Compliant



Networks / Arrays

BOURNS

# BOURNS Thin Film on Silicon Bussed Resistors



## 2QSP/2NBS-XX2 SERIES BUSSE D

Bussed Resistor networks are typically used in DC pull-up and pull-down applications where system data or control lines must be tied to a fixed potential. Fabricated with a tantalum Nitride and Nickel Chromium on Silicon process, these resistors feature excellent stability, TCR and tracking performance. Bussed resistor networks are available in a range of miniature package types conforming to JEDEC standards.

### Features:

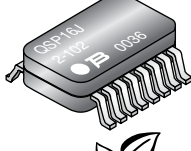
- Multiple isolated resistors
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

### Applications:

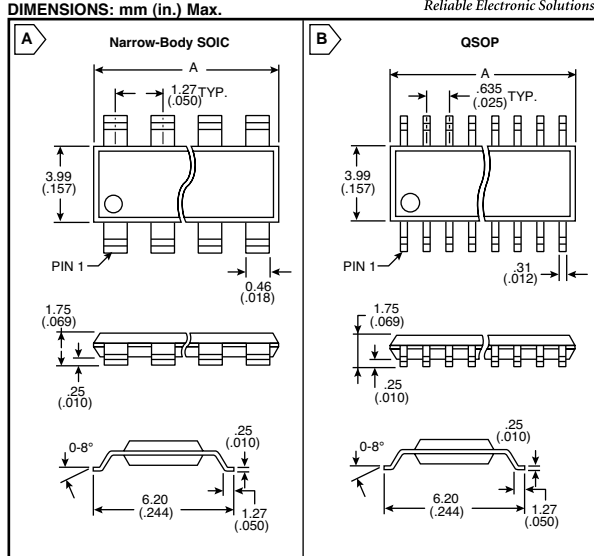
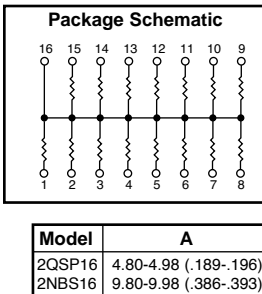
- Pull-up/pull-down
- Ideal for space-constrained applications

### Electrical Characteristics:

- Max. TCR: 150 ppm/°C
- Max. Operating Voltage: 50V
- Operating Temperature: -55/+125°C



RoHS Compliant



# BOURNS 2% SMD Thick Film Resistor Networks

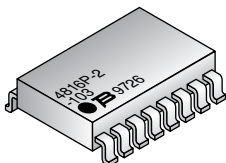


## 4800P SERIES

### Specifications:

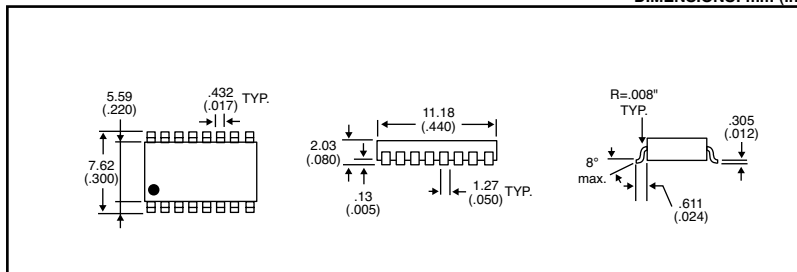
- Maximum Operating Voltage: 50V
- Temperature Coefficient of Resistance: 50Ω and above = ±100ppm/°C below 50Ω = ±250ppm/°C
- Operating Temperature: -55°C to +125°C
- Insulation Resistance: 10,000 MΩ min.
- Dielectric Withstanding Voltage: 200V RMS

- Package Power Rating at 70°C: 4816P: 1.28 watts
- Resistor Tolerance: 10Ω to 49Ω = ±1%, 50Ω to 5 MΩ = ±2%



### Features:

- Standard E.I.A. package compatible with automatic placement equipment
- Standard Packaging 50 per tube
- Marking on contrasting background for permanent identification
- Compliant leads to reduce solder joint fatiguing
- Standard electrical schematics: isolated, bussed



For quantities of 1,500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	50	100	500
<b>RoHS/Lead Free</b>						
652-4816P-T1LF-Value	A	16				
652-4816P-T2LF-Value	B	16				

### Table of Stocked Values (Ω)

22	82	330	8201K	3.3K	12K	39K	150K	560K
27	100	390	1.2K	3.9K	15K	47K	180K	680K
33	120	470	1.5K	4.7K	18K	56K	220K	820K
39	150	560	1.8K	5.6K	20K	68K	270K	1M
47	180	680	2K	6.8K	22K	82K	330K	
56	220		2.2K	8.2K	27K	100K	390K	
68	270		2.7K	10K	33K	120K	470K	

