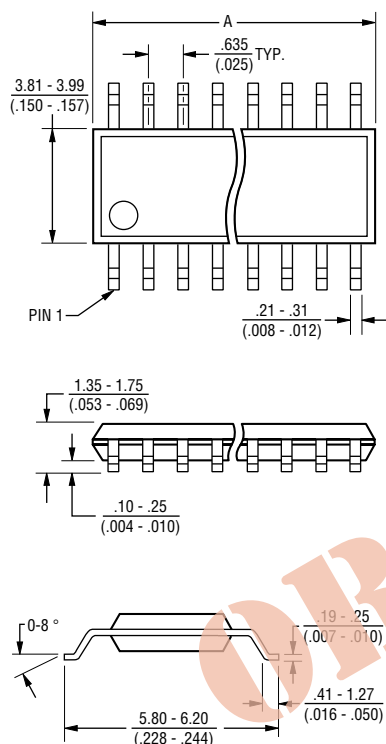


Thin Film on Silicon 2QSP / 2NBS -XX1 Isolated Resistors

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Mechanical Characteristics

QSOP Package Dimensions

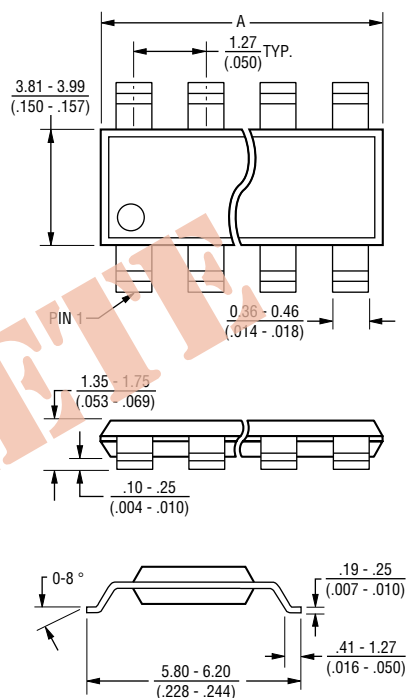


Model	A
2QSP16	4.80 - 4.98 (.189 - .196)
2QSP20	8.56 - 8.74 (.337 - .344)
2QSP24	8.56 - 8.74 (.337 - .344)
2QSP28	9.80 - 9.98 (.386 - .393)

Governing dimensions are in mm. Dimensions in parentheses are in inches and are approximate.

JEDEC Reference Number MO-137.

Narrow-Body SOIC Package Dimensions



Model	A
2NBS08	4.80 - 4.98 (.189 - .196)
2NBS14	8.56 - 8.74 (.337 - .344)
2NBS16	9.80 - 9.98 (.386 - .393)

Governing dimensions are in mm. Dimensions in parentheses are in inches and are approximate.

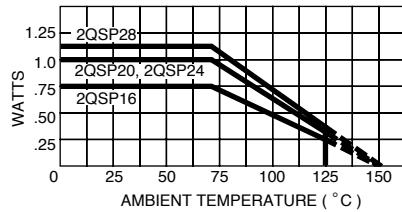
JEDEC Reference Number MS-012.

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

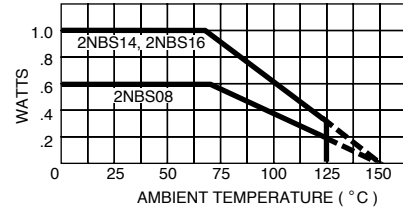
Thin Film on Silicon 2QSP / 2NBS -XX1 Isolated Resistors

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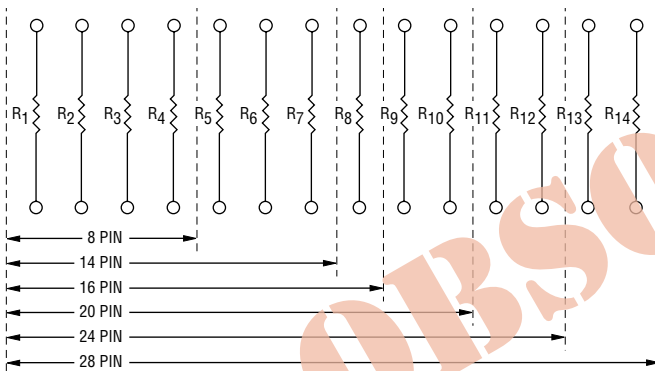
QSOP Package Power Temperature Derating Curve



Narrow-Body SOIC Package Power Temperature Derating Curve



Schematic

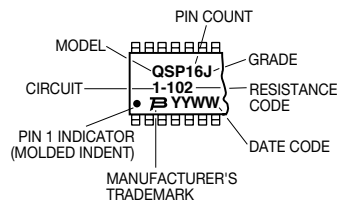


Standard Resistance Values

Resistance (ohms)	Resistance Code
10	100
22	220
33	330
39	390
47	470
51	510
68	680
120	121
220	221
270	271
330	331
470	471
510	511
680	681
1 K	102
2.2 K	222
4.7 K	472
5 K	502
8.2 K	822
10 K	103
18 K	183
20 K	203
47 K	473
50 K	503
100 K	104

Typical Part Marking

Represents total content. Layout may vary.

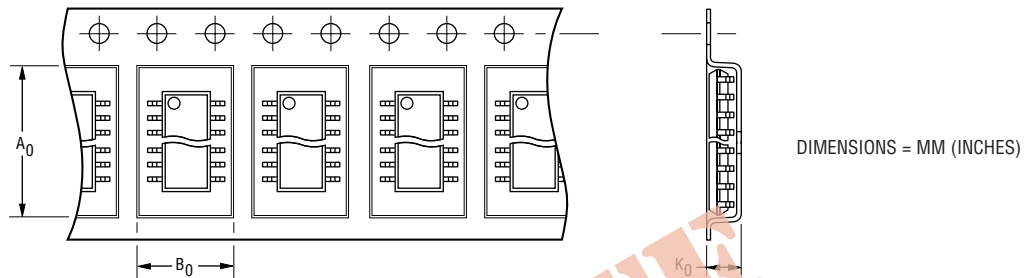


Thin Film on Silicon 2QSP / 2NBS -XX1 Isolated Resistors

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Dispensing

For large quantities, the product will be dispensed in Tape and Reel (see diagram below).



Package	A ₀	B ₀	K ₀	Width	Pitch	No. of Pieces per 13 reel	No. of Pieces per tube
QSOP							
16 Pin	6.4 (0.252)	5.2 (0.205)	2.1 (0.083)	12 (0.472)	8 (0.315)	3,500	98
20, 24 Pin	6.5 (0.256)	9.0 (0.354)	2.1 (0.083)	16 (0.630)	8 (0.315)	3,500	56
28 Pin	6.5 (0.256)	10.3 (0.406)	2.1 (0.083)	16 (0.630)	8 (0.315)	3,500	49
NBSOIC							
8 Pin	6.4 (0.252)	9.0 (0.354)	2.1 (0.083)	12 (0.472)	8 (0.315)	3,500	98
14 Pin	6.5 (0.256)	9.0 (0.354)	2.1 (0.083)	16 (0.630)	8 (0.315)	3,500	56
16 Pin	6.5 (0.256)	9.0 (0.354)	2.1 (0.083)	16 (0.630)	8 (0.315)	3,500	49

How To Order

2 QSP 16 - T J 1 - 472 LF

Product Class _____
Thin-Film-on-Silicon

Standard Package Style _____
QSP = QSOP
NBS = Narrow-Body SOIC

Pin Count _____
QSP = 16, 20, 24, 28
NBS = 8, 14, 16

Dispensing _____
R = Reel
T = Tube

Standard Grade _____
Tolerance
J = $\pm 5\%$
G = $\pm 2\%$
F = $\pm 1\%$

Circuit _____
1 = Isolated

Resistance Value Code _____
1st two digits are significant,
3rd digit = number of zeros to follow to give resistance value in ohms.

Terminations _____
LF = 100 % Sn (lead free)



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