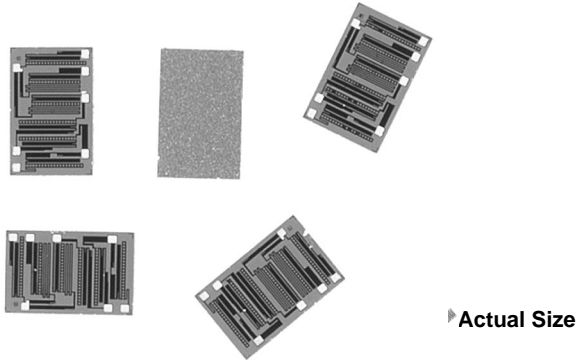


Standard Resistor Arrays



Actual Size

Thin Film wire bondable Silicon arrays for Hybrid packages requiring up to eight resistors of the same resistance value and tolerance ratio'd to R1.

FEATURES

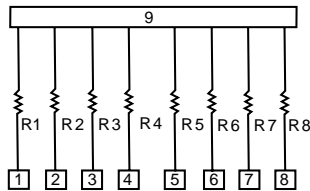
- Highly stable thin film with gold terminations.
- Wide resistance range 1K ohm to 100K ohms.
- Visually inspected to MIL-STD-883 Method 2032 Class H

TYPICAL PERFORMANCE

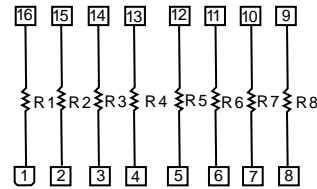
	ABS	TRACKING
TCR	25	5
	ABS	RATIO
TOL	0.1	0.1

SCHEMATIC

01 Circuit



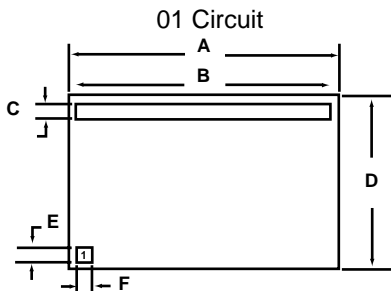
03 Circuit



STANDARD ELECTRICAL SPECIFICATIONS

TEST	SPECIFICATIONS	CONDITIONS
MATERIAL	TAMELOX®	
Resistance Range	1K ohm to 100K ohms	
TCR:	Tracking	± 5ppm/°C
	Absolute	± 25ppm/°C
Tolerance:	Ratio	± 0.1%
	Absolute	± 1% to ± 0.1%
Power Rating:	50mW/Resistor	@ + 70°C

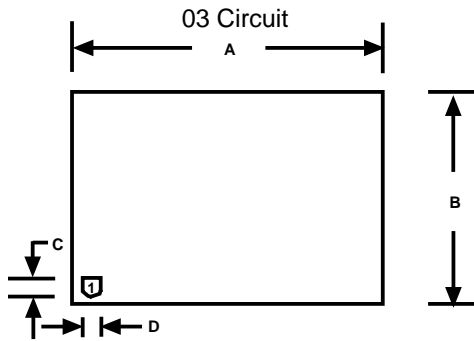
DIMENSIONS in inches and millimeters



DIMENSION	INCHES		MILLIMETERS	
	MIN.	MAX.	MIN.	MAX.
A	0.087	0.093	2.21	2.36
B	–	0.085	–	2.16
C	0.005	–	0.13	–
D	0.057	0.063	1.45	1.60
E	0.005	–	0.13	–
F	0.005	–	0.13	–



DIMENSIONS in inches and millimeters



DIMENSION	INCHES		MILLIMETERS	
	MIN.	MAX.	MIN.	MAX.
A	0.087	0.093	2.29	2.36
B	0.057	0.063	1.52	1.60
C	0.005	–	0.13	–
D	0.005	–	0.13	–

MECHANICAL SPECIFICATIONS	
Resistive Element	Tamelox [®]
Substrate Material	Silicon
Size	60 ± 3 mils x 90 ± 3 mils
Thickness	14 ± 2 mils
Bonding Pad	Gold 10,000Å Min
Pad Size	5 mil Min
Backing	Bare Silicon

How to Order

Series	Number of Pads	Schematic	Resistance Value	Absolute	Ratio
SIRN	16	03 = 8 nominally equal resistors, with each resistor isolated	The first 3 digits are significant figures. The last digit specifies the number of zeros. e.g. 1001 = 1K 1802 = 18K	B = 0.1% C = 0.25% D = 0.5% F = 1.0% G = 2.0% J = 5.0%	B = 0.1% C = 0.25% D = 0.5% F = 1.0% N = Not Applicable
	or 9				
		01 = 8 nominally equal resistors, each connected to a common lead.			

Example: **SIRN9012501BB A** chip array with 9 Pads, 8 resistors with a value of 2.5K ohms, 0.1% absolute tolerance and a 0.1% ratio tolerance.