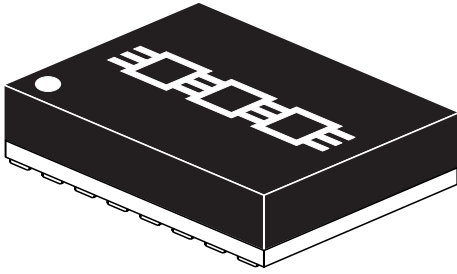


MINI SURFACE MOUNT NETWORKS

RSMA Mini-Surface Mount Resistor Networks

RSMA Style mini-SMT thin film resistor networks. They feature Mini-Systems' exceptional electrical characteristics and are available in 8, 14 and 16 lead configurations.



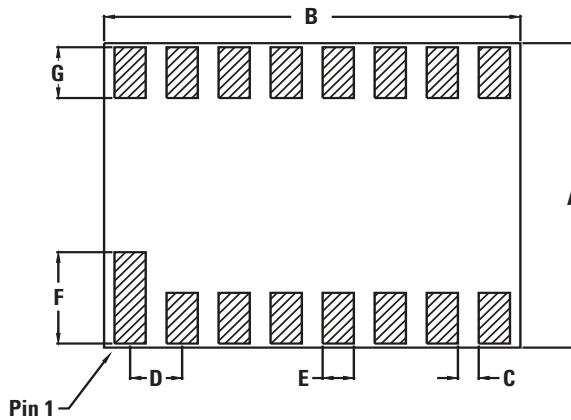
MECHANICAL DATA

PACKAGE STYLE	SMT, EPOXY COATED
PACKAGE CONFIGURATION	8, 14 OR 16 LEADS
LEAD PITCH	25 or 50 MILS
LEAD MATERIAL	PALLADIUM SILVER OR SOLDER TINNED

ELECTRICAL DATA

RESISTANCE RANGE	10Ω TO 1MΩ; RESISTOR ELEMENTS TO 100MΩ AVAILABLE. CONSULT SALES
T.C.R.	±150ppm/°C STANDARD; TO ±5ppm/°C AVAILABLE; VALUE DEPENDENT
T.C. TRACKING	±2ppm/°C STANDARD; TO ±1ppm/°C AVAILABLE
ABSOLUTE TOLERANCE	0.05%, 0.1%, 0.25%, 0.5%, 1%, 2%, 5%, 10%; VALUE DEPENDENT
RATIO TOLERANCE	±1% STANDARD; AVAILABLE TO ±0.05%; VALUE DEPENDENT
CURRENT NOISE	<-30dB TYPICAL
OPERATING VOLTAGE	100 V MAX.
POWER RATING	50 mW/RESISTOR (70°C DERATED LINEARLY TO 150°C); $P=E^2/R$
PACKAGE POWER	400 mW* (70°C DERATED LINEARLY TO 150°C); $P=E^2/R$
SHORT TERM OVERLOAD	5X RATED POWER, 25°C, 5 SEC., ±0.25% MAX. ΔR/R: ±0.1% MSI TYPICAL
HIGH TEMP EXPOSURE	150°C, 100 HRS., ±0.25% MAX. ΔR/R: ±0.03% MSI TYPICAL
THERMAL SHOCK	MIL-STD 202, METHOD 107F, ±0.25% MAX. ΔR/R: ±0.1% MSI TYPICAL
MOISTURE RESISTANCE	MIL-STD 202, METHOD 106, ±0.5% MAX. ΔR/R: ±0.1% MSI TYPICAL
OPERATING TEMP. RANGE	-55°C TO +150°C
STABILITY	1000 HRS., 70°C, 100% POWER, ±0.5% MAX ΔR/R; ±0.1% MSI TYPICAL

DIMENSIONS



RSMA25

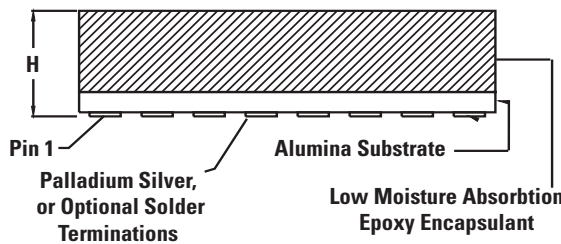
	8 LEAD	14 LEAD	16 LEAD
A	150 ± 5	150 ± 5	150 ± 5
B	150 ± 5	175 ± 5	200 ± 5
C	10	10	10
D	25	25	25
E	15 ± 2	15 ± 2	15 ± 2
F	45	45	45
G	25	25	25
H	50 ± 5	50 ± 5	50 ± 5

ALL DIMENSIONS IN MILS

RSMA50

	8 LEAD	14 LEAD	16 LEAD
A	240 ± 5	240 ± 5	240 ± 5
B	190 ± 5	340 ± 5	390 ± 5
C	35	35	35
D	50	50	50
E	15 ± 2	15 ± 2	15 ± 2
F	45	45	45
G	30	30	30
H	50 ± 5	50 ± 5	50 ± 5

ALL DIMENSIONS IN MILS



MINI-SYSTEMS, INC.
THIN FILM DIVISION

20 DAVID ROAD, N. ATTLEBORO, MA 02780
508-695-0203 FAX: 508-695-6076

DCN TF 145-B-0306

SHOWN ABOVE IS RSMA50-16 or RSMA25-16

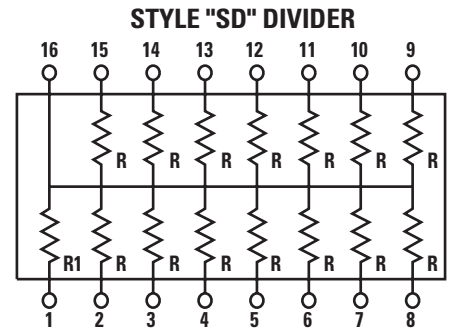
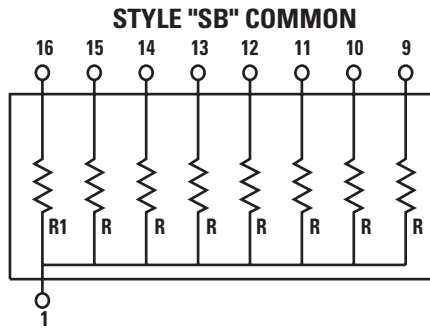
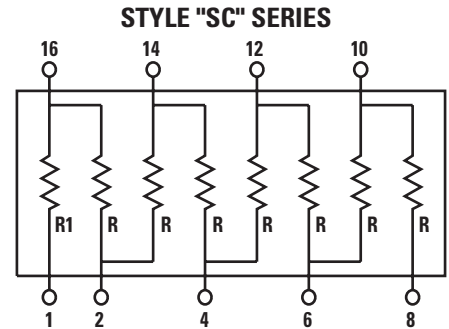
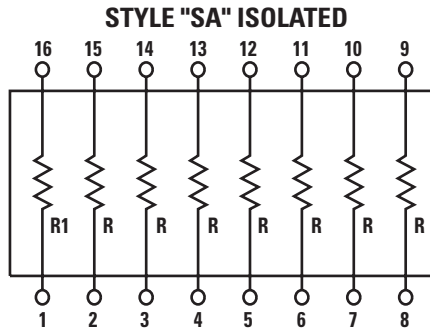
Consult Sales For Custom Configurations.

*Package Power for (8) Resistors.

MINI SURFACE MOUNT NETWORKS

RSMA Mini-Surface Mount Resistor Networks

SCHEMATICS



PART NUMBER DESIGNATION

RSMAXX	X	SX	XXXXX	X	X
SERIES	#LEADS	STYLE	VALUE/ RESISTOR	TOLERANCE	OPTION
25	8	SA = Isolated	5-Digit	Q = 0.05%	A = ±50ppm/°C
50	14	SB = Common	Number: 1st	B = 0.1%	B = ±25ppm/°C
	16	SC = Series	4 Digits Are	C = 0.25%	C = ±10ppm/°C
		SD = Divider	Significant	D = 0.5%	D = ±5ppm/°C
			With "R" As	F = 1%	RB = 0.05% Ratio
			Decimal	G = 2%	RC = 0.1% Ratio
			Point When	J = 5%	RD = 0.5% Ratio
			Required.	K = 10%	RE = 0.25% Ratio
			5th Digit		T = Solder Tinned
			Represents		T3 = Leadfree Tinned
			Number of		U = Untinned. Std.
			Zeros.		Z = Commercial
			EXAMPLE:		Inspection
			10001 = 10K		(Always used
					when no other
					option is req.)

EXAMPLE: RSMA50-16-SA-10002F-ARD = 16 Lead Pkg., 8 - 100KΩ Resistors, Isolated Connections, ±1% Tol., ±50ppm/°C, ±0.5% Ratio, Untinned.

PACKAGED
RESISTORS



MINI-SYSTEMS, INC.

THIN FILM DIVISION

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DCN TF 145-B-0306