

FEATURES

- RESISTORS AND CAPACITORS ON A SINGLE CHIP
- SURFACE MOUNT SOIC/SSOP/TSSOP PACKAGE
- CUSTOM RESISTORS & CAPACITORS AVAILABLE
- ESD PROTECTION IN EXCESS OF 3000 VOLTS

APPLICATIONS

- LOW PASS FILTER
- EMI/RFI REDUCTION
- POWER SUPPLY FILTER

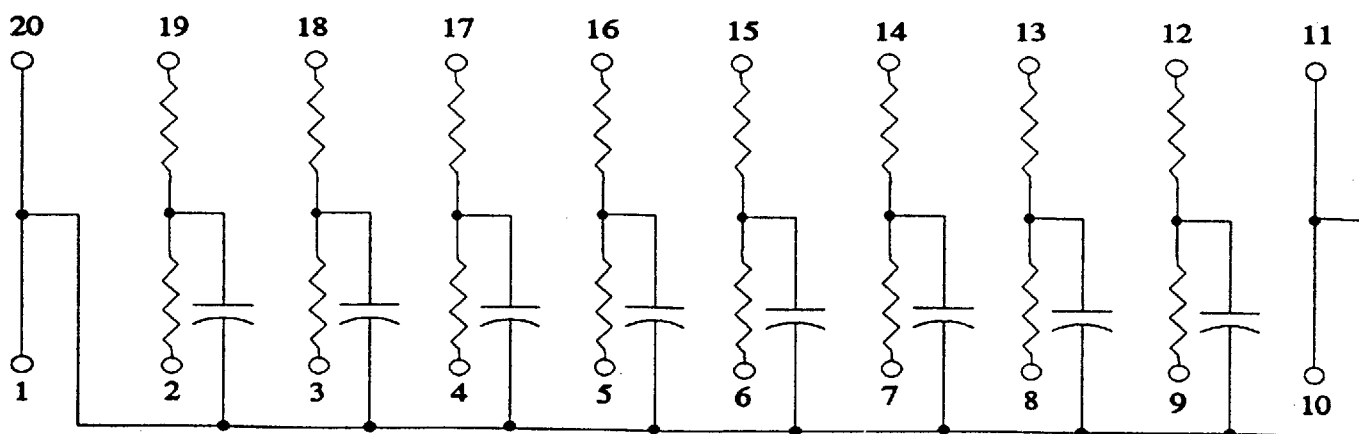
ELECTRICAL CHARACTERISTICS

RESISTOR	25 Ω
RESISTOR TOLERANCE	+/-10%
CAPACITOR	150 pf
TOLERANCE	+/-10%
Breakdown Voltage	100 Volts

MECHANICAL CHARACTERISTICS

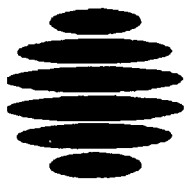
LEAD PLATING	TIN - LEAD
LEAD MATERIAL	COPPER ALLOY
LEAD COPLANARITY	0.012 mm
SUBSTRATE MATERIAL	SILICON
BODY MATERIAL	MOLDED EPOXY

RC SCHEMATIC



Note : Pins 1, 10, 11 & 20 are connected to system ground

ALL MEASUREMENTS DEFINED AT 25°C
PATENT PENDING



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- SURFACE MOUNT SOIC/SSOP/TSSOP PACKAGE
- CUSTOM RESISTORS & CAPACITORS AVAILABLE
- ESD PROTECTION IN EXCESS OF 5000 VOLTS

APPLICATIONS

- LOW PASS FILTER
- EMI/RFI REDUCTION
- POWER SUPPLY FILTER
- REDUCE NOISE ON HIGH SPEED DATA LINES
- CLAMP NEGATIVE SPIKES

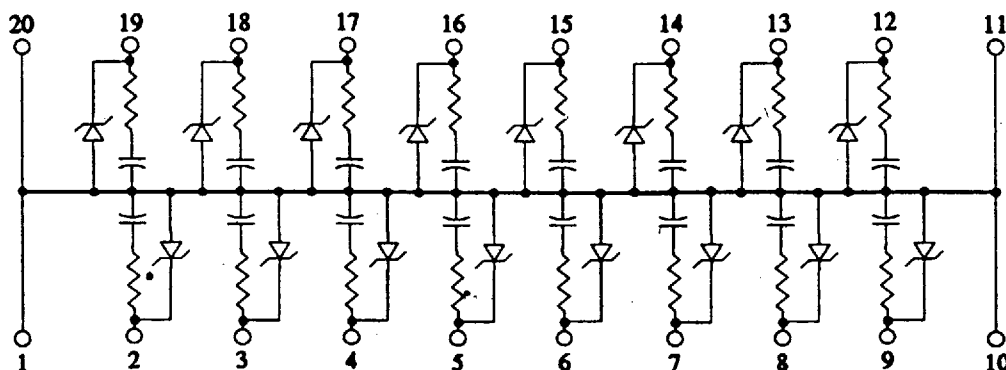
ELECTRICAL CHARACTERISTICS

RESISTOR	47 Ω
RESISTOR TOLERANCE	+/-10%
CAPACITOR	33 pf
TOLERANCE	+/-10%
DIODE	
Forward Voltage VF @ IF = 1mA	0.46V max.
Forward Voltage VF @ IF = 16 mA	< 1V
Maximum Total Power Dissipation (PT)/Package	140 mW
Diode Capacitance (CD) @ 0V	15 pF max
Diode Ohmic Resistance (RS)	5 W
Charge Carrier Lifetime (tL) IF = 5mA	100pS max.
Reverse Breakdown Voltage (RV) @ IR = - 1 μ A (25°C)	> 20V
Reverse Breakdown Voltage (RV) @ IR = - 10 μ A (70°C)	> 20V
Maximum Operating Voltage	10V

MECHANICAL CHARACTERISTICS

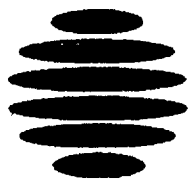
LEAD PLATING	TIN - LEAD
LEAD MATERIAL	COPPER ALLOY
LEAD COPLANARITY	0.012 mm
SUBSTRATE MATERIAL	SILICON
BODY MATERIAL	MOLDED EPOXY

RCD SCHEMATIC



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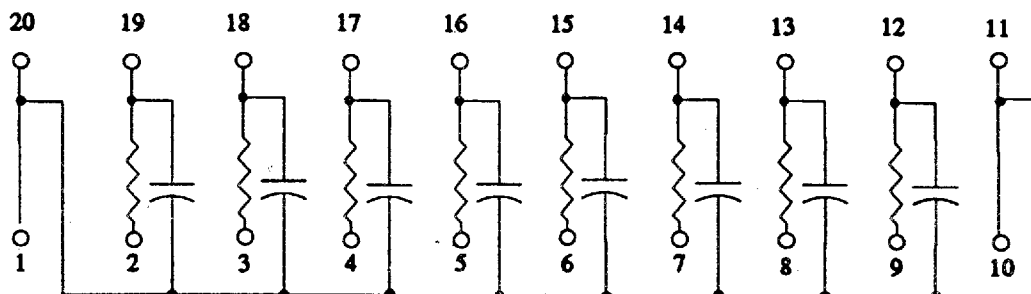
ELECTRICAL CHARACTERISTICS

RESISTOR	47 Ω
RESISTOR TOLERANCE	+/-10%
CAPACITOR	
RANGE	33 pf
TOLERANCE	+/-10%
Breakdown Voltage	100 Volts

MECHANICAL CHARACTERISTICS

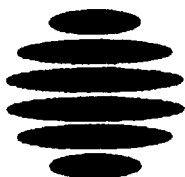
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RC SCHEMATIC



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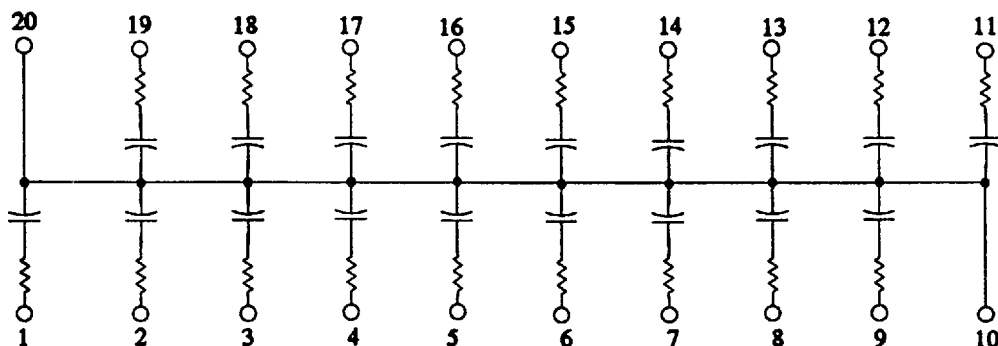
ELECTRICAL CHARACTERISTICS

RESISTOR	33 Ω
RESISTOR TOLERANCE	+/-10%
CAPACITOR	
CAPACITANCE	120 pf
TOLERANCE @ 1MHz & 1VRMS over 10°C TO 60°C	+/-30%
Breakdown Voltage	100 Volts

MECHANICAL CHARACTERISTICS

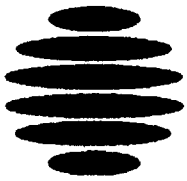
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SUBSTRATE MATERIAL	SILICON
BODY MATERIAL	MOLDED EPOXY

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APPLICATIONS

- LOW PASS FILTER
- EMI/RFI REDUCTION
- SIGNAL TERMINATOR

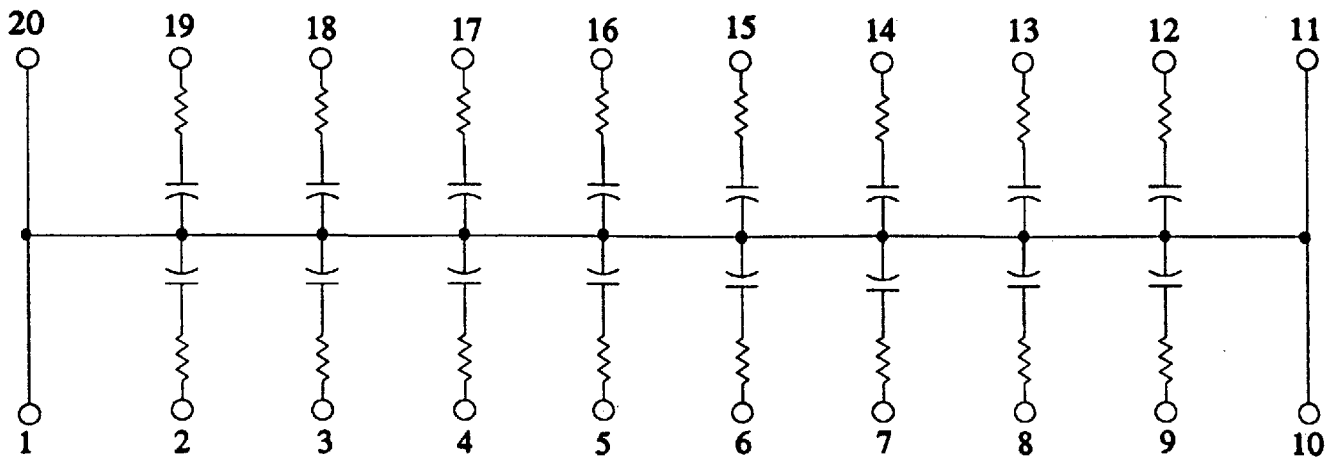
ELECTRICAL CHARACTERISTICS

RESISTOR	47 Ω
RESISTOR TOLERANCE	+/-10%
CAPACITOR	
CAPACITANCE	33 pf
TOLERANCE @ 1MHz & 1VRMS over 10°C To 70°C	+/-10 %
Breakdown Voltage	100 Volts

MECHANICAL CHARACTERISTICS

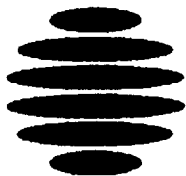
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RC SCHEMATIC



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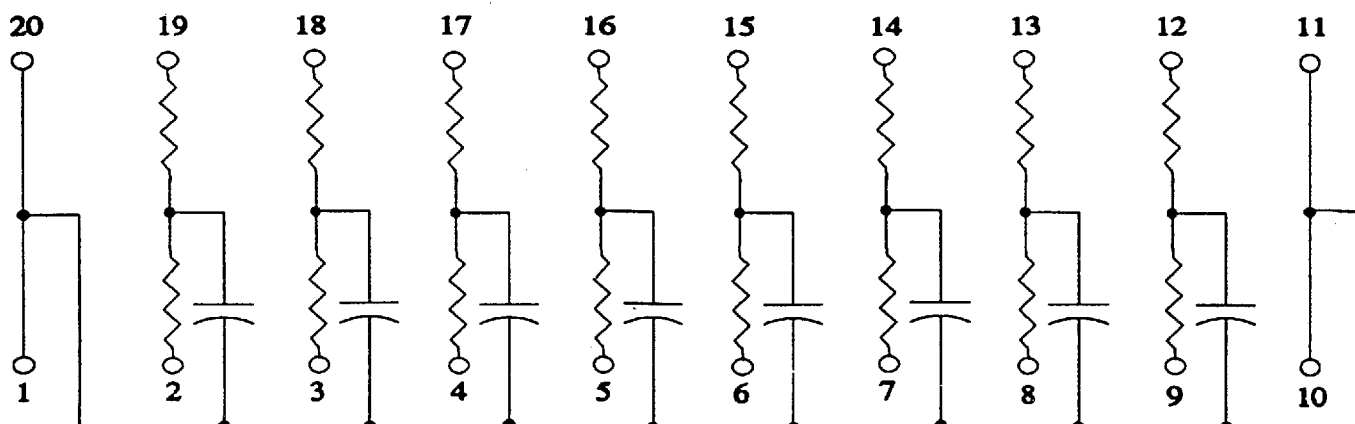
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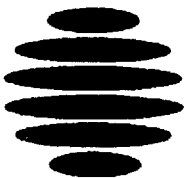
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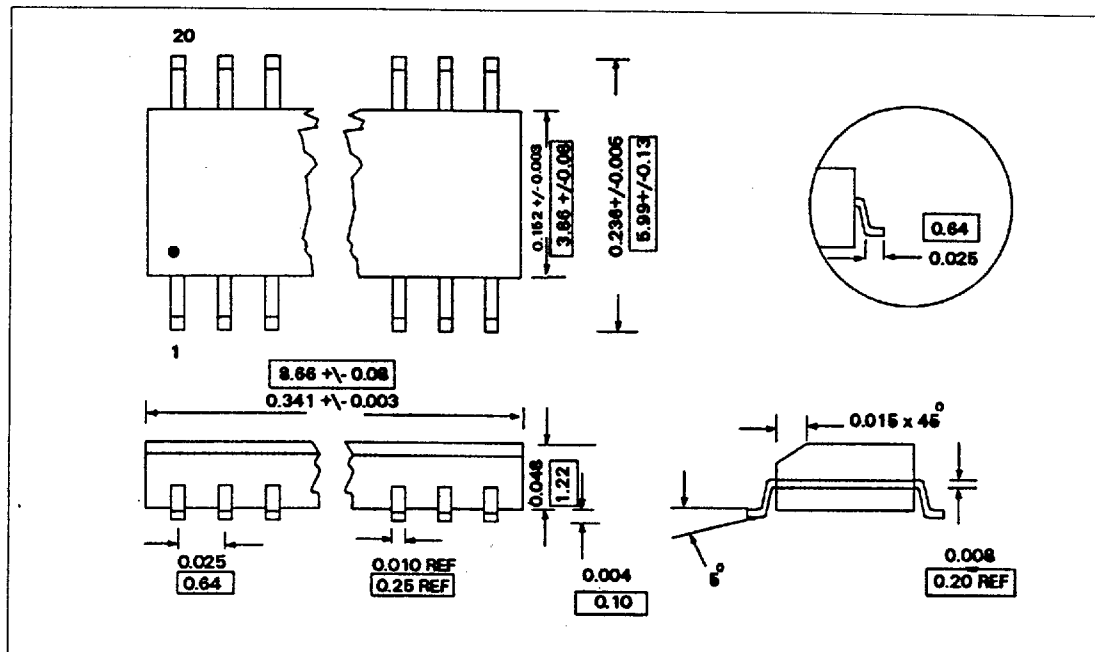
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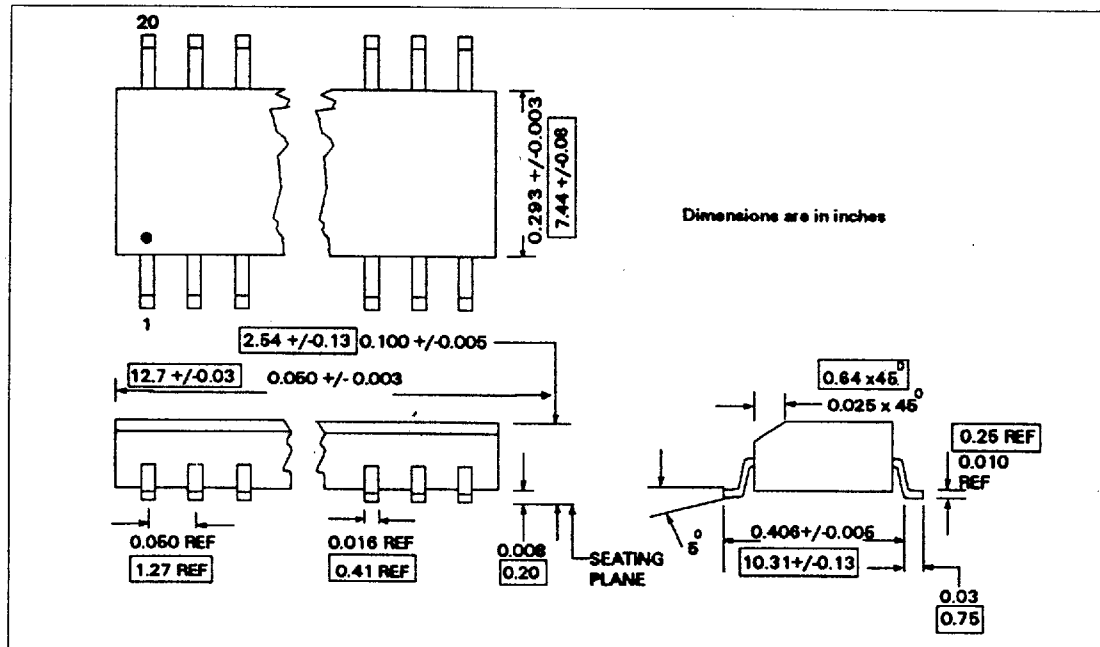


Package Dimensions :

SSOP DIMENSIONS (20 PINS PLASTIC)



SOIC DIMENSIONS (20 PINS PLASTIC)



DEVICE MARKING

