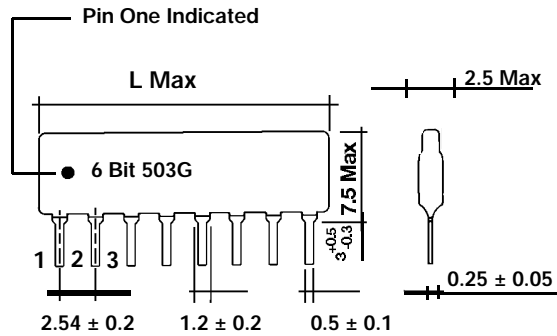


# Resistor Ladder Networks

## Dimension



## Electrical Characteristics

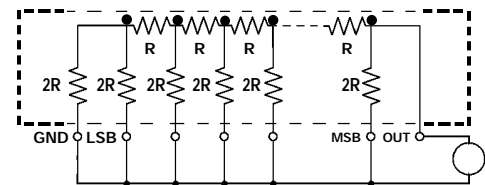
Bits	Number of pins	L max. (mm.)
4	6	15.3
5	7	17.8
6	8	20.4
7	9	22.9
8	10	25.4
9	11	28.0
10	12	30.5

	4BITS	5BITS	6BITS	7BITS	8BITS	9BITS	10BITS
<b>Standard Resistance value</b>	5K Ohm - 10K Ohm - 25K Ohm - 50K Ohm - 100K Ohm						
<b>Bit errors</b>	± 1/2 LSB						
<b>FSA (Max.)</b>	3.12%	1.56%	0.78%	0.39%	0.2%	0.2%	0.2%
<b>Output Impedance Characteristic</b>	± 2%						
<b>Rated Voltage</b>	30mW/element						
<b>Working Voltage</b>	DC 20V Max.						
<b>Operating Temp. Range</b>	-55°C ~ +125°C						

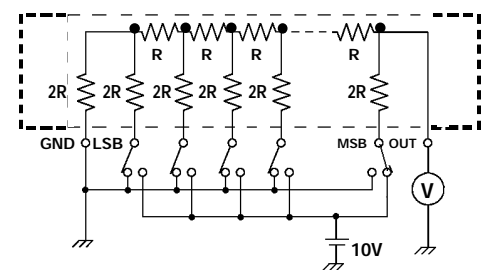
## Circuits Diagram

Part No.	Circuits	Marking
TLN 4BIT 503G		• 4BIT 503G
TLN 5BIT 503G		• 5BIT 503G
TLN 6BIT 503G		• 6BIT 503G
TLN 7BIT 503G		• 7BIT 503G
TLN 8BIT 503G		• 8BIT 503G
TLN 9BIT 503G		• 9BIT 503G
TLN 10BIT 503G		• 10BIT 503G

## Output Impedance Testing Circuit



## Linearity Testing Circuit



## Application

