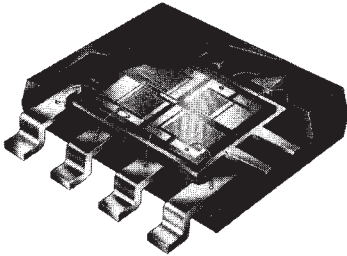




**RMKM** — S408  
— S508  
— S714  
— S816  
— S914

**small outline resistor networks** **ULTRAFILM**<sup>®</sup>  
— thin film technology



The RMK series of small outline surface mount style molded package can accommodate resistor network to your particular application requirements in compact circuit integration.

The resistor element is a proprietary nickel chromium film formulation on oxydized silicon.

Utilizing those networks will enable you to take advantage of parametric performances which will introduce in your circuitry high thermal and load life stability together with the added benefits of low noise and rapid rise time.

These S08/14/16 leads package will bring you:

- **LOW T.C.**
- **TIGHT T.C. TRACKING**
- **MONOLITHIC RELIABILITY**
- **LOW NOISE**
- **RAPID RISE TIME**
- **LOW COST**

## RMKM S...

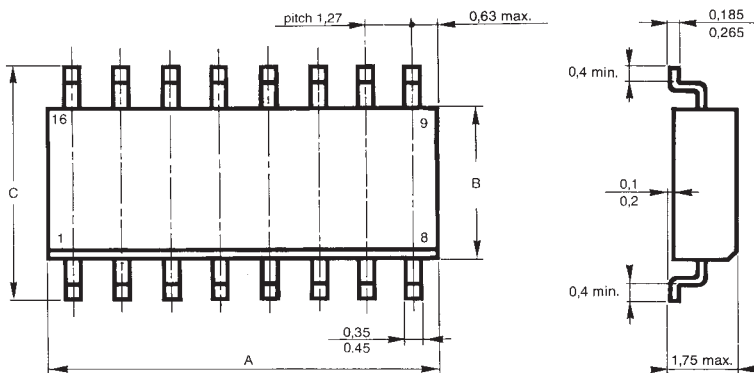


Fig. 1

Dimensions in mm.

Table 1

Case	A	B	C
S08	4,75/4,95	3,9/4	5,9/6,2
S014	8,55/8,75	3,9/4	5,9/6,2
S016	9,8/10	3,9/4	6,3/6,6

## SPECIFICATIONS

### MECHANICAL

MECHANICAL PROTECTION... epoxy molded assembly  
RESISTIVE ELEMENT... nickel chromium film  
TERMINAL LEADS... tinned  
UNIT WEIGHT S08... 0,070 g case S08  
0,146 g cases S014, S016

### ENVIRONMENTAL

OPERATING TEMPERATURE  
RANGE... -55°C to +125°C  
CLIMATIC CATEGORY... 55 / 125 / 56

### ELECTRICAL

RESISTANCE VALUE RANGE... 500 Ω to 200 kΩ  
ABSOLUTE TOLERANCE... ±0,1 % to ±1 %  
TOLERANCE RATIO... 0,5 % to 0,05 %  
POWER RATING... case S08 250 mW at +70°C  
cases S014 500 mW at +70°C  
S016

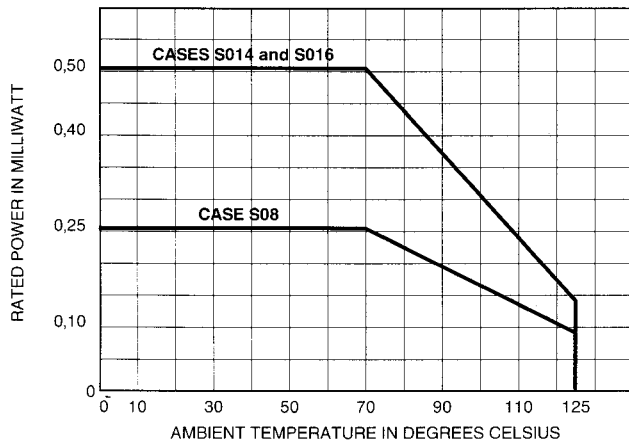
NOMINAL TEMPERATURE  
COEFFICIENT... ±15 ppm/°C (-55°C to +125°C)  
±10 ppm/°C (0°C to +70°C)  
TCR TRACKING... 5 ppm/°C max.  
(-55°C to +125°C)

LIMITING ELEMENT VOLTAGE... 50 V<sub>dc</sub> max.  
VOLTAGE COEFFICIENT OF RESISTANCE... <0,1 ppm/V  
NOISE INDEX... -45 dB typical, -35 dB max.  
in accordance with  
MIL-STD 202 Method 308

## POWER RATING CHART

Thermal performances of S0 packages are dependent upon substrate material, chip size, mounting process, chip area, die attach and lead frame material characteristics.

Diagram 1



## SOLDERING

The device can withstand a wave soldering temperature of +260°C for 10 seconds or vapor phase soldering temperature which are somehow lower.

## MARKING

Printed:

- SFERNICE trademark, series, ohmic value, tolerance, manufacturing date.

## TOLERANCE CODE

Table 2

CODE	A	B	D	F
ABSOLUTE and RATIO TOLERANCES	±0,1%	±0,1%	±0,5%	±1%
	0,05%	0,1%	0,1%	0,5%

## PERFORMANCES

Table 3

TESTS	CONDITIONS	TYPICAL DRIFTS
RESISTANCE TO SOLDERING HEAT	260°C / 10 s	0,04%
LOAD LIFE	2000 hrs Pr at 70°C	0,075%

## FUNCTIONAL DIAGRAM

Table 4

RMKM S408	RMKM S508	RMKM S714	RMKM S914	RMKM S816
Case S08		Case S014		Case S016
<p>Fig. 2</p>	<p>Fig. 3</p>	<p>Fig. 4</p>	<p>Fig. 5</p>	<p>Fig. 6</p>

For other configurations, please consult SFERNICE.

## ORDERING PROCEDURE



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B.P. 1159  
F 06003 NICE CEDEX 1  
Tel. : (33) 04 93 37 27 27  
Fax. : (33) 04 93 37 27 26



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