

NCSM SERIES

PRODUCT PROFILE



SERIES DESCRIPTION:

Metal Film Current Sensing Resistors

SERIES LINK:

www.niccomp.com/series/NCSM

FEATURES

- Low Resistance Metal Film Construction
- High Precision Current Sensing
- Tight tolerances: down to $\pm 0.25\%$ available
- Low TCR: down to $\pm 50\text{ppm}/^\circ\text{C}$
- High power rating: up to 3W



TECHNICAL DETAILS

Parameter	Value
Automotive Grade	AEC-Q200 support available
Upgrade From (Replaces)	NCSW, NCSS, NCLP
Size & (Max) Power Options	Standard termination: 0201 (1/5W), 0402 (1/4W), 0603 (2/5W), 0805 (1/2W), 1206 (1W), 1210 (1W), 2010 (1.5W), 2512 (3W) Wide termination: 0508 (1W), 0612 (1W), 1020 (2W), 1225 (3W)
Resistance Range	10m Ω ~ 10 Ω
Tolerance Options	$\pm 0.25\%$ [C], $\pm 0.5\%$ [D], $\pm 1\%$ [F], $\pm 2\%$ [G], $\pm 5\%$ [J]

APPLICATIONS

- Consumer electronics
- Communication devices
- Measurement & instrumentation
- Industrial Power supplies
- Battery management systems

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