RESISTOR **CHIP 20 WATT**



EN 13-3509

DATA SHEET

PART SERIES: 81-7042-X-X

FEATURES

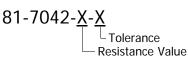
Wide Band Operation **High Power Direct Attached** Low Capacitance Easy Installation Wide Resistance Range

GENERAL DESCRIPTION

EMC Technology offers the widest selection of chip resistors worldwide. Chip components are offered in both thick and thin film resistive material and available in Alumina, Aluminium Nitride, Beryllium Oxide and CVD Diamond.

ORDERING INFORMATION

Part Identifier:



SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range:	7 - 250 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Input Power CW:	20 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	200 watts (based on 10us pulse width and 1% duty cycle)

2.0 ENVIRONMENTAL

Operating Temperature: -55°C to +150°C Non-operating Temperature: -65°C to +150°C **Temperature Coefficient:**

3.0 MARKING

Unit Marking:

No Marking

4.0 QUALITY ASSURANCE

Visual and Mechanical Inspection:	Per 824W107
DC Resistance Check:	100% DC Resistance
Data Retention:	Standard

5.0 PACKAGING

Standard Packaging:

APPLICATIONS

Broadcast **High Power Filters High Power Amplifiers** Isolators Military Instrumentation



Dwg 81-7042

+/-200 PPM / °C max

ce Check

Tape and Reel

RESISTOR CHIP 20 WATT

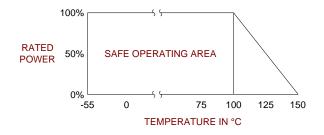


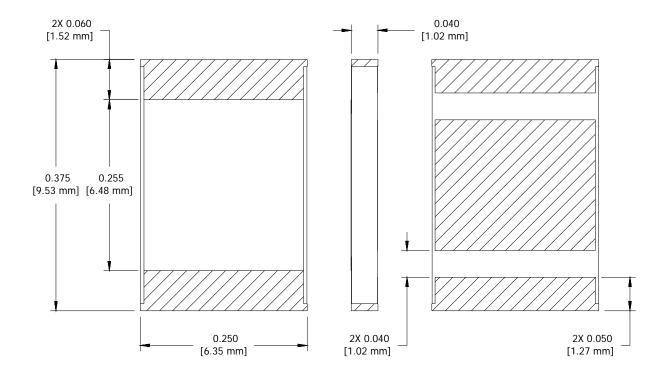
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SHEET 2 OF 2 Dwg 81-7042 EN 13-3509 R<u>evision-</u>

6.0 MECHANICAL

Substrate Material: Resistive Film: Terminal Material: Metric Dimensions: Aluminum Nitride Thin Film Thick film, Nickel barrier Tin/Lead plated Provided for reference only





Unless Otherwise Specified: TOLERANCE: $X.XX = \pm 0.02$ $X.XXX = \pm 0.010$