

TERMINATION CHIP 10 WATT



DATA SHEET

PART SERIES: 82A1058F

SHEET 1 OF 2
Dwg 82A1058F

EN 13-3450
Revision-

FEATURES

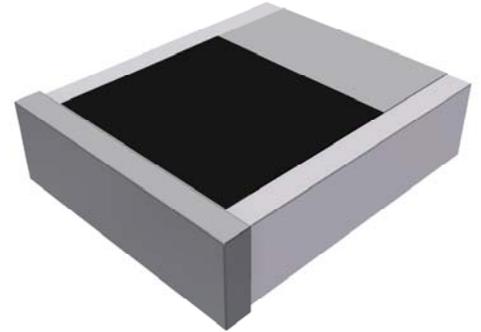
Wide Band Operation
High Power
Direct Attached
Low VSWR
Easy Installation

APPLICATIONS

Mobile Networks
Broadcast
High Power Amplifiers
Isolators
Military
Instrumentation

GENERAL DESCRIPTION

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



ORDERING INFORMATION

Part Identifier: 82A1058F

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	DC - 6.0 GHz
VSWR:	1.11:1 Max
Input Power CW:	10 Watts @ 100°C heat sink, derated linearly to zero power and 150°C
Peak Power:	100 Watts (based on 10us pulse width and 1% duty cycle)
DC Resistance:	50 Ω ±5%

2.0 ENVIRONMENTAL

Operating Temperature:	-55°C to +150°C
Non-operating Temperature:	-65°C to +150°C
Temperature Coefficient:	+/-200 PPM / °C max

3.0 MARKING

Unit Marking:	No Marking
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4.0 QUALITY ASSURANCE

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

5.0 PACKAGING

Standard Packaging:	Tape and Reel
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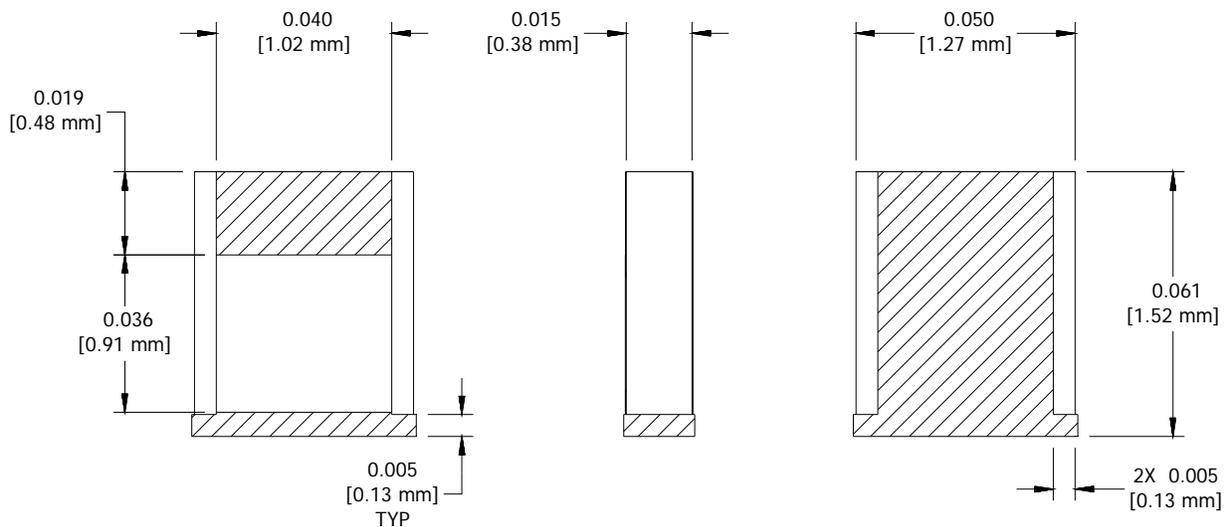
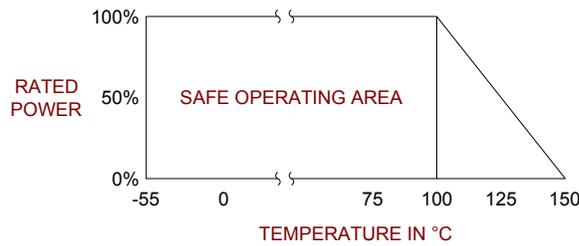
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6.0 MECHANICAL

Substrate Material:	Beryllium Oxide
Resistive Film:	Nichrome
Terminal Material:	Silver
Metric Dimensions:	Provided for reference only



Unless Otherwise Specified: TOLERANCE: X.XX = ± 0.02 X.XXX = ± 0.010