

RESISTOR TAB & COVER 100 WATT



DATA SHEET

PART SERIES: 81A7043TCXXF

SHEET 1 OF 2
Dwg 81A7043TCF

EN 13-3532
Revision-

FEATURES

Wide Band Response
High Power
Low Capacitance
Easy Installation
Excellent Heat Transfer
Wide Resistance Range

APPLICATIONS

Broadcast
High Power Filters
High Power Amplifiers
Isolators
Military
Instrumentation

GENERAL DESCRIPTION

EMC Technology offers the widest selection of flangeless resistors worldwide. Tab and cover components offer the highest performance of any style of resistor component.



ORDERING INFORMATION

Part Identifier:

81A7043TCXXF

┌ Tolerance
└ Resistance Value

SPECIFICATIONS

1.0 ELECTRICAL

Resistance Range:	14 - 250 OHMS
Resistance Tolerance:	±5% standard 1% and 2% available
Typical Capacitance:	1.5 pF
Input Power CW:	100 watts @ 100°C heat sink, derated linearly to zero power at 150°C
Peak Power:	1000 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:	+/-200 PPM / °C max

3.0 MARKING

Unit Marking:	Logo and Part Number
---------------	----------------------

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:	Tray
---------------------	------

RESISTOR TAB & COVER 100 WATT



DATA SHEET

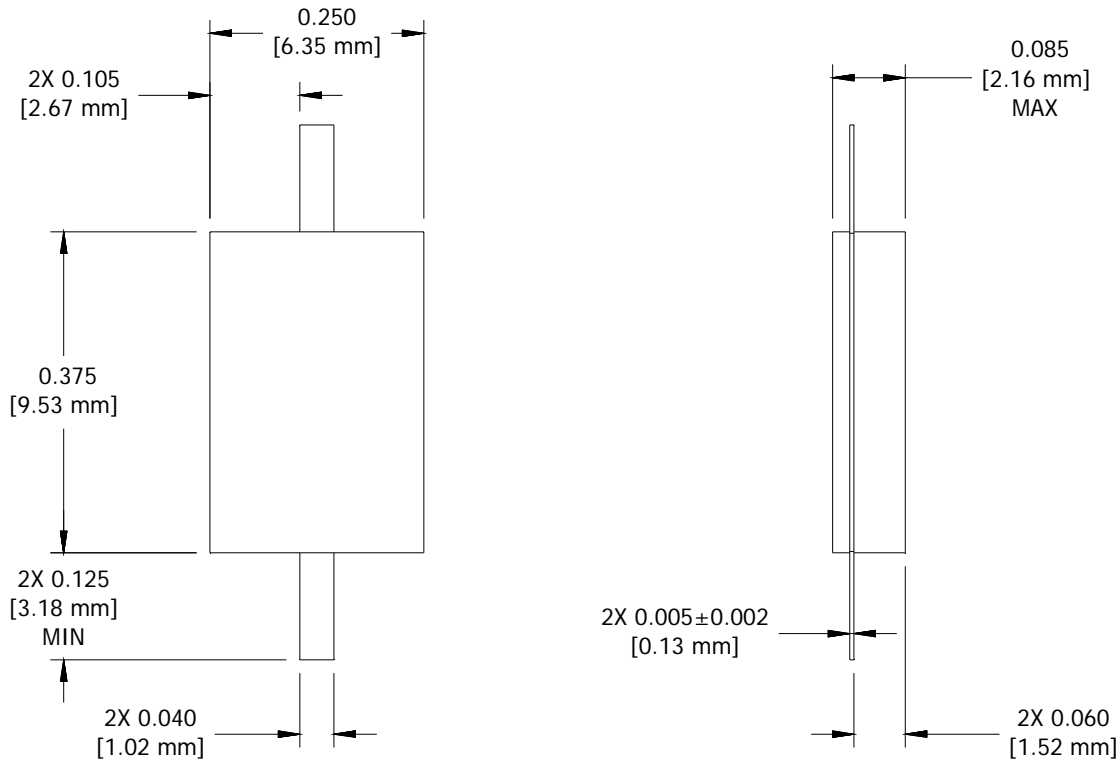
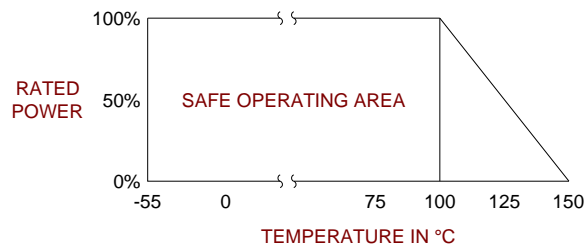
PART SERIES: 81A7043TCXXF

SHEET 2 OF 2
Dwg 81A7043TCF

EN 13-3532
Revision-

6.0 MECHANICAL

Substrate Material:	Aluminum Nitride
Resistive Film:	Thin Film
Cover Material:	Alumina
Tab Material:	Beryllium Copper
Tab Finish:	Silver Plated
Metric Dimensions:	Provided for reference only



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