

TERMINATION TAB & COVER 100 WATT



DATA SHEET

PART SERIES: 82-7005TC

SHEET 1 OF 2
Dwg 82-7005TC

EN 13-3497
Revision-

FEATURES

- Wide Band Response
- High Power
- Direct Attached
- Low VSWR
- Easy Installation
- Excellent Heat Transfer

APPLICATIONS

- Mobile Networks
- Broadcast
- High Power Amplifiers
- Isolators
- Military
- Instrumentation

GENERAL DESCRIPTION

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



ORDERING INFORMATION

Part Identifier: 82-7005TC

SPECIFICATIONS

1.0 ELECTRICAL

Nominal Impedance:	50 ohms
Frequency Range:	800 - 1000 GHz
VSWR:	26 dB Return Loss Min
Input Power CW:	100 Watts @ 100°C heat sink, derated linearly to zero power and 150°C
Peak Power:	1000 Watts (based on 10us pulse width and 1% duty cycle)
DC Resistance:	50 Ω \pm 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:	Logo and Part Number, legibility and permanency per MIL-STD-130
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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:	Tray Packaging
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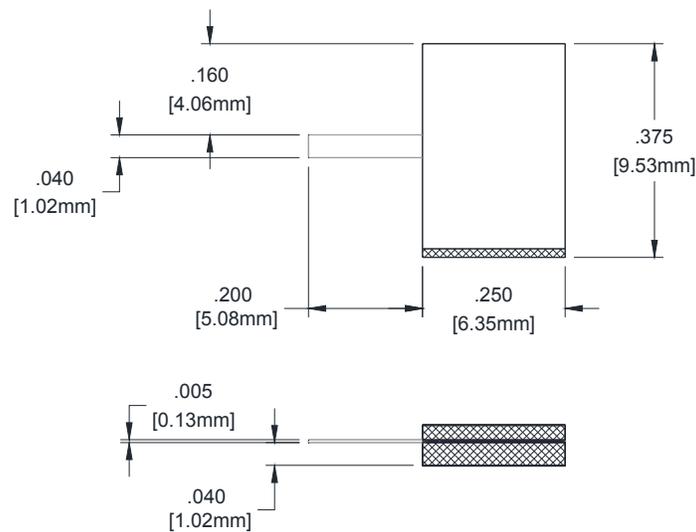
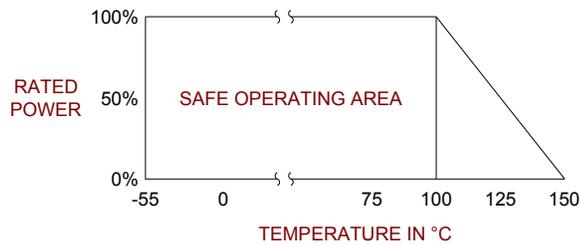
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6.0 MECHANICAL

Substrate Material:	Aluminum Nitride
Resistive Film:	Nichrome
Cover Material:	Alumina
Tab Material:	Beryllium Copper
Tab Finish:	Tin/Lead
Metric Dimensions:	Provided for reference only



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