

# RESISTIVE POWER DIVIDER

DATA SHEET

PART SERIES: RPD0212F

SHEET 1 OF 3  
Dwg 1015365EN 15-1471  
Revision B

## FEATURES

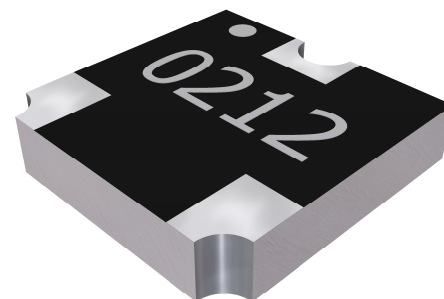
Low Profile Surface Mount Package  
Simplified Thermal Management  
Power Dividing

## APPLICATIONS

Power Amplifiers  
Antenna Feeds  
Phased Array Radar  
Satellites  
Instrumentation

## GENERAL DESCRIPTION

EMC Technology offers high performance 2 to 4 Way resistive power dividers ranging from DC to 12 GHz in a low profile, surface mount package. These devices are designed for demanding applications where excellent broadband response and power handling are required.



## ORDERING INFORMATION

Part Identifier: **RPD0212F**

## SPECIFICATIONS

### 1.0 ELECTRICAL

Frequency	Division	Attenuation	VSWR	Impedance	Power Handling
DC - 12 GHz	2	-6 dB Typical	1.3:1 Typical	50 $\Omega$	1 Watts CW

### 2.0 ENVIRONMENTAL

Operating Temperature: -55°C to +150°C

### 3.0 MARKING

0212, Pin 1 Indicator

### 4.0 QUALITY ASSURANCE

Sample Inspect Per MIL-STD-105, Level II, 1.0% AQL.

Visual and Mechanical Examination for Conformance To Outline Drawing Requirements.

Measure Amplitude Balance and VSWR

#### Test Data Requirements

No Test Data Required

Data Retention – 12 months

### 5.0 PACKAGING

Standard: Tape and Reel

Note: Specifications are subject to change.

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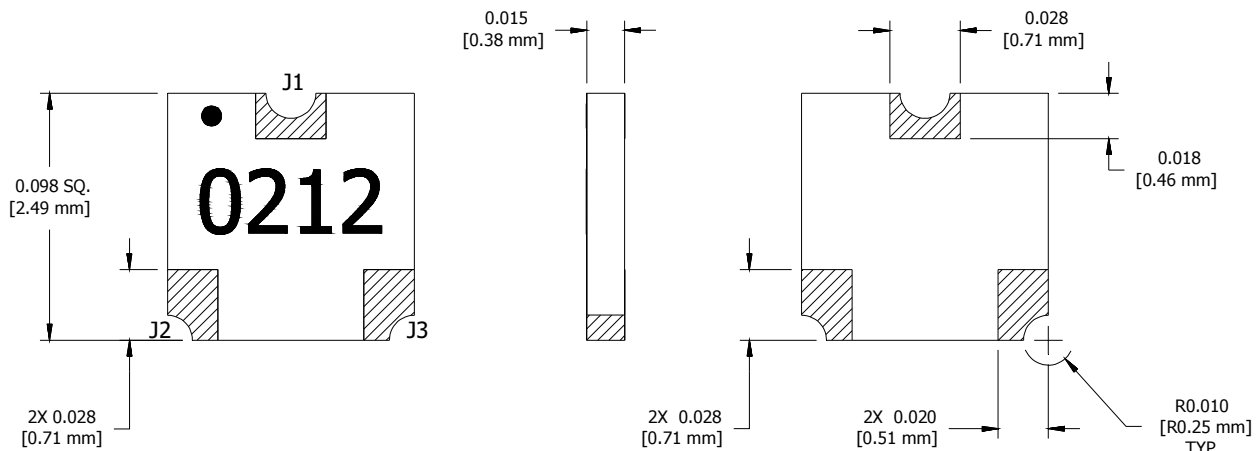
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## 6.0 MECHANICAL

Substrate Material: Alumina  
Terminal Material: Thick film, Silver plated  
Resistive Material: Thick film

### PIN CONFIGURATION

Port	DESCRIPTION
J1	INPUT
J2	- 6 dB Output
J3	- 6 dB Output

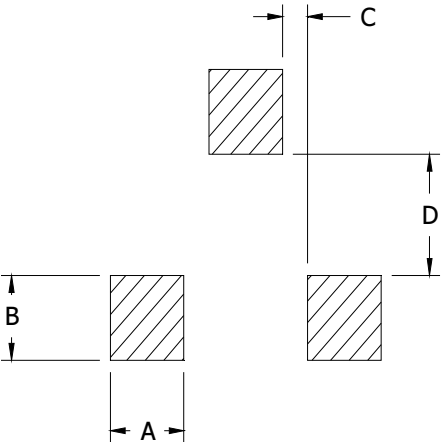


Unless Otherwise Specified: TOLERANCE: X.XX =  $\pm 0.01$  X.XXX =  $\pm 0.005$

Note: Specifications are subject to change.

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7.0 SUGGESTED LAND PATTERN



DIMENSION							
INCHES				METRIC (mm)			
A	B	C	D	A	B	C	D
0.035	0.035	0.012	0.050	0.89	0.89	0.30	1.27