POWER DIVIDER
4 WAY 50 WATT

HybriX

EMC Technology

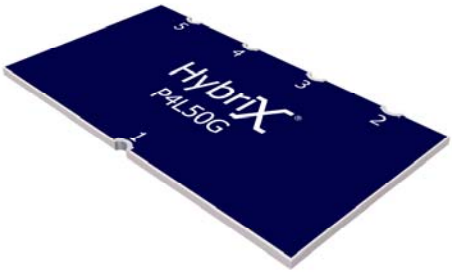
DATA SHEET **PART SERIES: P4L50G**

FEATURES

- Products available for 3G and 4G bands
- urface mountable
- Small footprint
- High power handling
- Low insertion loss
- Excellent isolation and low VSWR
- Alumina construction

APPLICATIONS

- LTE, AWS, UMTS, GSM, and PCS base stations
- Antenna feed network
- Modulators
- Signal distribution nodes
- Combiners and splitters



GENERAL DESCRIPTION

Hybrix Wilkinson SMT Power Dividers are high power in-phase devices capable of combining and dividing 2-, 3-, and 4-way signals. The devices provide excellent isolation and low VSWR in a small surface mount package. Packaging options are tube or tape and reel.

ORDERING INFORMATION

Part Identifier: P4L50G

SPECIFICATIONS

1.0 ELECTRICAL

Frequency	Isolation	Insertion Loss	Amplitude Balance	Phase Balance	Power Handling
1.3 - 1.6 GHz	13 dB Min	0.70 dB Max	±0.2 dB Max	±7° Max	50 Watts
1.6 - 2.0GHz	13 dB Min	0.85 dB Max	±0.2 dB Max	±7° Max	50 Watts

VSWR: PORT 1 1.25:1 Max
PORT 2, 3, 4, 5 1.20:1 Max for 1.3 – 1.6 GHz
1.25:1 Max for 1.6 – 2.0 GHz

Nominal Impedance: 50 OHMS

2.0 ENVIRONMENTAL

Operating Temperature: -55ºC to +150ºC

3.0 MARKING

Hybrix and part number

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 Packaging: Tube

Note: Specifications are subject to change.

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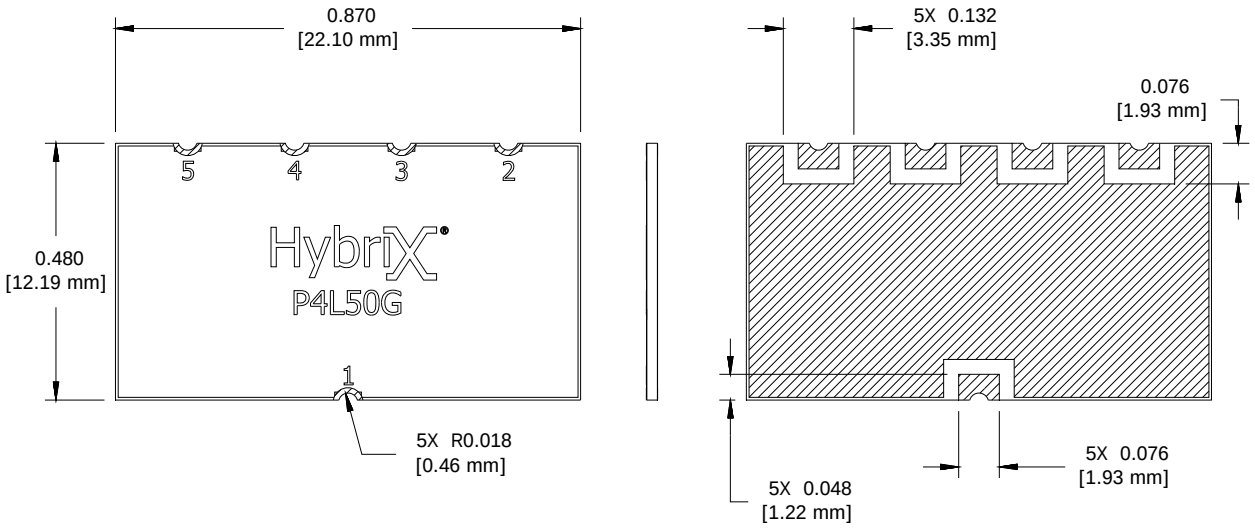
6.0 MECHANICAL

Substrate Material:	Alumina
Resistive Film:	Thick film
Terminal Material:	Thick film, Nickel barrier solder plated
Metric Dimensions:	Provided for reference only



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

Note: Specifications are subject to change.