

# POWER DIVIDER

## 4 WAY 35 WATT

HybriX®



DATA SHEET

PART SERIES: P4L35G

SHEET 1 OF 3  
Dwg P4L35G

EN 13-3674  
Revision -

### FEATURES

- Products available for 3G and 4G bands
- Surface 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:** P4L35G

### SPECIFICATIONS

#### 1.0 ELECTRICAL

Frequency	Isolation	Insertion Loss	Amplitude Balance	Phase Balance	Power Handling
1.3 – 1.6 GHz	13 dB	0.70 dB	± .01dB	±7° Max	35 Watts
1.6 – 2.0 GHz	13 dB	0.85 dB	± .01dB	±7° Max	35 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: -55°C to +150°C

#### 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

# POWER DIVIDER 4 WAY 35 WATT

HybriX®



DATA SHEET

PART SERIES: P4L35G

SHEET 2 OF 3  
Dwg P4L35G

EN 13-3674  
Revision -

*Note: Specifications are subject to change.*

# POWER DIVIDER

## 4 WAY 35 WATT

HybriX®



DATA SHEET

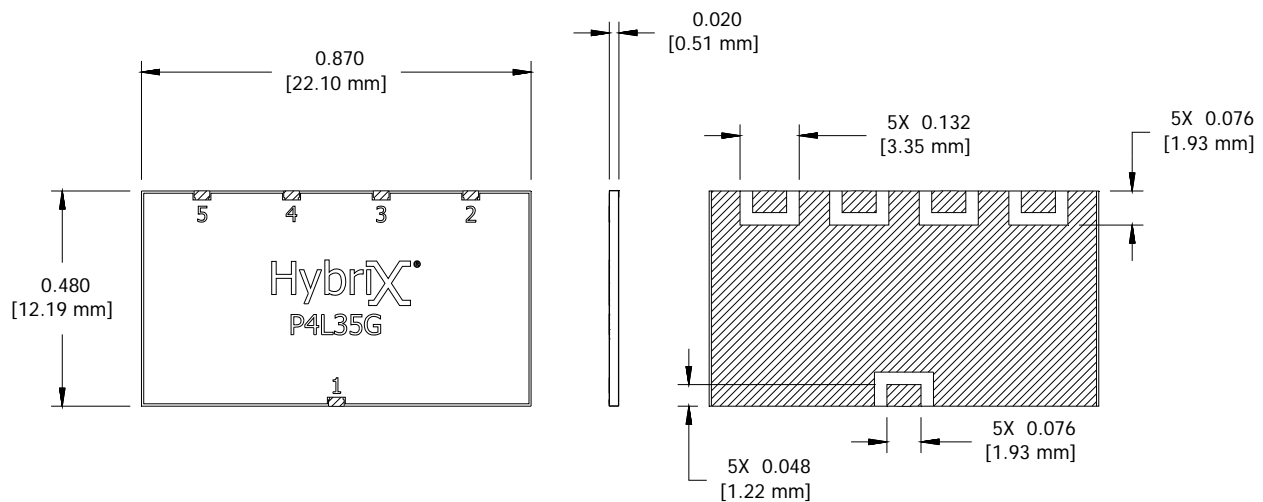
PART SERIES: P4L35G

SHEET 3 OF 3  
Dwg P4L35G

EN 13-3674  
Revision -

### 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 =  $\pm 0.02$  X.XXX =  $\pm 0.010$

Note: Specifications are subject to change.