

Powertec Wireless Technology ABN: 42 082 948 463 PO Box 1034, Ashmore City Queensland, Australia, 4214 sales@powertec.com.au 1300 769 378

# Powertec RF Power Divider 2-Way, 698 to 3800 MHz, N Female, Wilkinson, 22dB isolation

SKU: IBC-PT-00100

MPN: PCM-PD2-6938.N2 Barcode: 9337692004339

#### Description

The Powertec RF Power Divider 2-Way (SKU: IBC-PT-00100) is an efficient solution for RF signal distribution, designed for use in various wireless communication applications. Operating within a frequency range of 698 to 3800 MHz, this divider ensures reliable performance with a 3 dB division value and excellent isolation of over 20 dB. It features N Female connectors on both input and output ports, supporting a 50  $\Omega$  input impedance.

Constructed with a compact design measuring  $62 \times 42 \times 20$  mm, the Power Divider is built to withstand harsh conditions, certified with an IP60 ingress protection rating, and operational in temperatures ranging from -30 °C to 65 °C. With a VSWR of less than 1.3:1 and an insertion loss of just 0.80 dB, it ensures minimal signal loss and optimal performance across its frequency range.

Manufactured by Powertec, a leading Australian wireless technology provider, this component is part of their extensive range of RF...

Read More





#### Powertec

Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

# **RF** Specification

| Min. Frequency:   | 698 MHz  | Input Impedance:  | 50   |
|-------------------|----------|-------------------|------|
| Max. Frequency:   | 3700 MHz | Max. Input Power: | 50 W |
| Coupling / Split: | 3 dB     |                   |      |

### Port Matrix

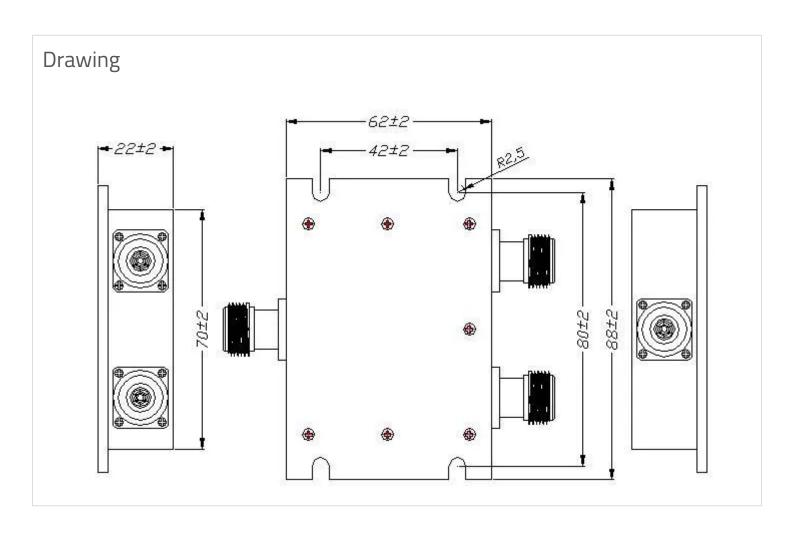
| Port Function | RF Interface |
|---------------|--------------|
| Input         | N Female     |
| Output        | N Female     |
| Output        | N Female     |
|               |              |

## Frequency Test Data

| Start Frequency | Stop Frequency | VSWR     | Insertion Loss | Inter-Port Iso. |
|-----------------|----------------|----------|----------------|-----------------|
| 698 MHz         | 3700 MHz       | < 1.25:1 | 0.8 dB         | > 20 dB         |
|                 |                |          |                |                 |

# **Physical Specification**

| 1             | Min. Operating Temperature:       | -30 °C   |
|---------------|-----------------------------------|--|
| 2             | Max. Operating Temperature:       | 65 °C  |
| Power Divider |                                   |  |
| IP60          |                                   |  |
| 62 x 42 x 20  |                                   |  |
| 0.2 kg        |                                   |  |
|               | Power Divider  IP60  62 x 42 x 20 | 2 Max. Operating Temperature:  Power Divider  IP60  62 x 42 x 20 |



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

