Ku-Band 2-Way Iso-Divider

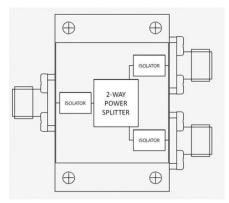
TECHNICAL FEATURE

FEATURES

- Light Weight and Small Size
- Broadband
- Low Insertion Loss
- Extremely High Isolation
- Space Qualified
- Also available as an Iso-Combiner

PERFORMANCE

Frequency 10.7 - 14.8 0	GHz
Return Loss (Input & Output)20 dB	min
Isolation between Outputs36 dB	min
Insertion Loss (above 3.0 dB theoretical)1.8dB r	max
Phase Balance+5 ° ı	max
Power Handling2 W I	max
Magnetic Emission 0.5 Am ²	max
EMI Shielding80 dBi	min
RF Connection InterfaceSMA Fen	nale
Operating Temperature Range55 to +8	5°C
Package Size 1.56" X 1.01" X 0	.56"



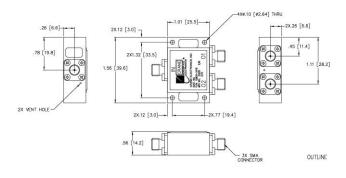
Functional Diagram



DESCRIPTION

The Iso-Divider product represents a marriage of Crane Electronics' Passive and Ferrite products. It is a higher isolation power divider, which removes the need for additional components and connectors. Removing these components improves the reliability and allows the electrical performance to be enhanced.

This product provides the ability for a Satellite receiver or transmitter to share antennas in a redundant configuration. This is a critical function, which demands low insertion loss and exceptional performance. Matching the power divider and isolator characteristics allows the best overall unit performance to be achieved.



Crane Aerospace & Electronics Microwave Solutions – Signal Technology 340 North Roosevelt Avenue, Chandler, AZ 85226 +1.480.961.6269 • <u>mw@crane-eg.com</u> www.craneae.com/mw

Page 1 of 1 Iso Divider Rev. AB - 072415



DS_lso_Divider_MW_072415.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors. We reserve the right to make changes in products or specifications without notice. Copyright © 2015 Crane Electronics, Inc. All rights reserved.