Surface Mount
Directional Coupler

50Ω  5 to 200 MHz

Maximum Ratings
Operating Temperature  -40°C to 85°C
Storage Temperature  -55°C to 100°C
Permanent damage may occur if any of these limits are exceeded

Pin Connections
INPUT  1
OUTPUT  6
COUPLED  3
GROUND (DO NOT USE)  2.5
ISOLATE (DO NOT USE)  4

Features
• wideband, 5 to 200 MHz
• low mainline loss, 1.7 dB typ.
• excellent coupling flatness, ±0.1 typ.
• aqueous washable
• protected by U.S Patents 6,133,525 & 6,140,887

Applications
• communications
• cable tv

Directional Coupler Electrical Specifications

FREQ. (MHz)  COUPLING (dB)  MAINLINE LOSS  DIRECTIVITY (dB)  VSWR (:1)  POWER INPUT, W

5-200  6.2±0.3  ±0.3  1.6  2.0  1.7  2.0  1.7  2.1

5-50 MHz  M= 50-100 MHz  U= 100-200 MHz
1. Mainline loss includes theoretical power loss at coupled port.

Notes
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit’s applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, “Standard Terms”); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits’ website at www.minicircuits.com/MCLStore/terms.jsp

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