Ultra-Small Ceramic Power Splitter/Combiner

SCN-3-16+

3 Way-0°  50Ω  950 to 1600 MHz

Maximum Ratings
Operating Temperature  -55°C to 100°C
Storage Temperature  -55°C to 100°C
Power Input (as a splitter)  15W max.
* Derate linearly to 6W at 100°C ambient. Permanent damage may occur if any of these limits are exceeded.

Pin Connections
SUM PORT  2
PORT 1  6
PORT 2  5
PORT 3  4
GROUND  1,3
PORT 1-2, 2-3 resistor external 124 ohms
PORT 1-3 resistor external 127 ohms

Features
• isolation resistors, external
• low insertion loss, 0.6 dB typ.
• excellent amplitude unbalance, 0.2 dB typ.
• very good phase unbalance, 3 deg. typ.
• high isolation, 15 dB typ.
• excellent power handling, 15W as splitter
• small size, 0.12"X0.06"X0.035"
• ESD non-sensitive
• temperature stable LTCC technology
• wrap around terminations for excellent solderability
• low cost

Applications
• DSS
• WLAN
• ISM applications
• line of sight communications
• GSM, GPS
• satellite communication
• defense applications

Electrical Specifications

Typical Performance Data

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