**Surface Mount**

**Power Splitter/Combiners**

**2 Way-0°  50Ω  5 to 1000 MHz**

### Maximum Ratings
- **Operating Temperature:** -40°C to 85°C
- **Storage Temperature:** -55°C to 100°C
- **Power Input (as a splitter):** 0.5W max.
- **Internal Dissipation:** 0.125W max.

### Pin Connections
- **SUM PORT:** 6
- **PORT 1:** 3
- **PORT 2:** 4
- **GROUND:** 1, 2
- **NOT USED:** 5

### Outline Drawing / Dimensions (inch)
- **AT790 (SBTC-2-10+):**
- **AT1029 (SBTC-2-10L+):**

### Electrical Specifications
- **FREQUENCY (MHz):**
  - Typical Performance Data
  - **Insertion Loss (dB):**
  - **Phase Unbalance (Degrees):**
  - **Amplitude Unbalance (dB):**

### Features
- Low insertion loss, 0.3 dB typ.
- Excellent amplitude unbalance, 0.1 dB typ.
- Very good phase unbalance, 1.0 deg. typ.
- Temperature stable LTCC base
- Small size
- Low cost
- Aqueous washable
- Protected by US patent 6,963,255

### Applications
- UHF/VHF receivers/transmitters
- Cellular
- UHF/VHF receivers/transmitters
- Aqueous washable
- Low cost
- Temperature stable LTCC base
- Very good phase unbalance, 1.0 deg. typ.
- Excellent amplitude unbalance, 0.1 dB typ.
- Low insertion loss, 0.3 dB typ.

### Notes
- 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.

### Typical Performance Data

**Frequency (MHz):**
- **Total Loss**:
  - **Amplitude Unbalance**:
  - **Phase Unbalance**:
  - **VSWR**:

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**Demo Board MCL P/N: TB-274**
**Suggested PCB Layout (PL-152):**

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**Demo Board MCL P/N: TB-274**
**Suggested PCB Layout (PL-152):**

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**Demo Board MCL P/N: TB-274**
**Suggested PCB Layout (PL-152):**

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