

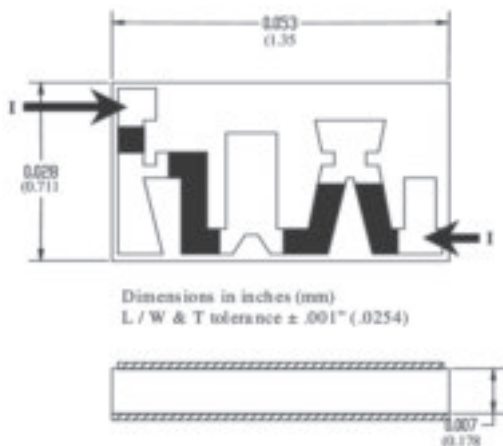


Bias Filter Network

Functional Application

- Wireless communication modules
- Ideal varactor decoupling element
- High gain RF/Microwave modules
- Ideal GaAs FET gate biasing device
- MMIC multichip modules

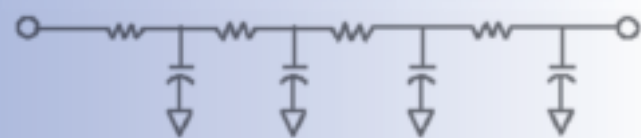
Physical Characteristics



Benefits

- Filters noise and RF from Supplies
- Reduces RF feedback through bias supplies
- Simplifies assembly - one component replaces many
- Designed with large 4 mil wirebond pads for assembly ease

Equivalent Schematic Representation



Total Series Resistance:
600 nominal

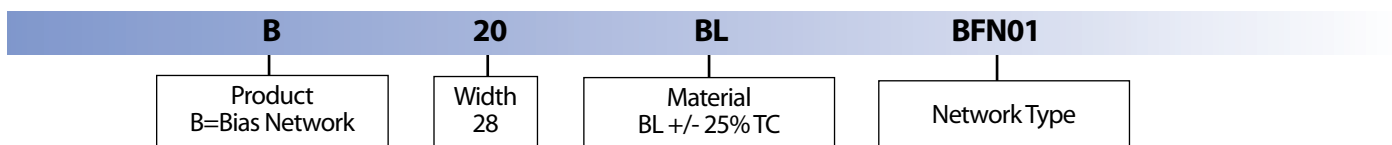
Total Shunt Capacitance:
BT material - 140pF nominal
BH material - 95pF nominal

DC Rating: Volts Max: 50V

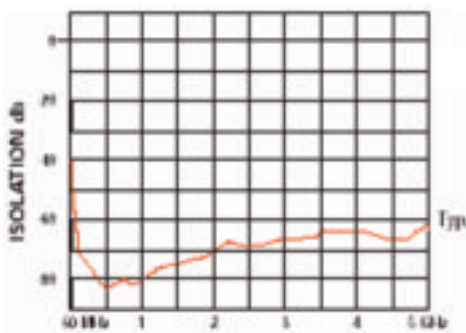
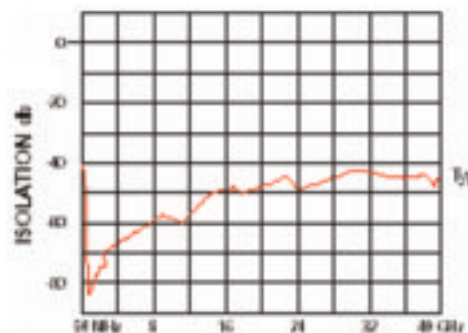
I(ma) Max: 10Ma

Recommended Mounting: The Bias Filter Network should be mounted with fully metallized side down directly on RF ground plane for maximum isolation performance.

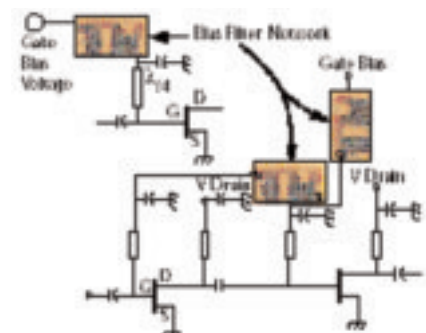
Product Number Identification



Isolation vs. Frequency



Typical Application



Custom Networks can be designed per customer specification. Please consult factory for additional information or special requirements.