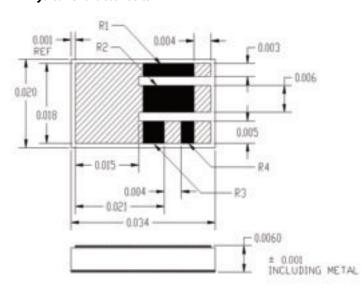
Self Bias Network

Functional Application

- Wireless communication modules
- MIC broadband high gain RF/Microwave modules
- Bias line voltage divider and integrated decoupling capacitor

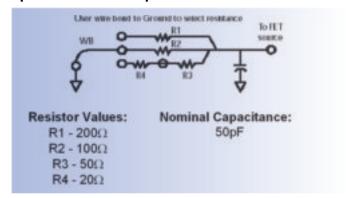
Physical Characteristics



Benefits

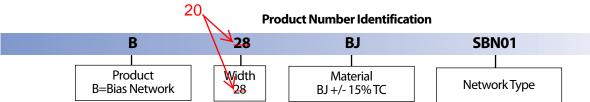
- Improves gain flatness and stability in GaAs FET
- Simplifies assembly with 1 component
- Miniature size: .020 x .034 (.5mm x .86mm)

Equivalent Schematic Representation

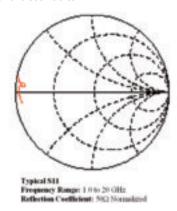


Typical application requires 2 networks

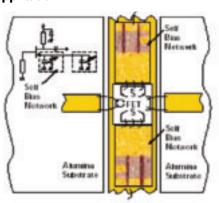
Recommended Mounting: The self Bias Network should be mounted with fully metalized side down directly on the RF ground plane for best performance.



Physical Characteristics



Typical Application



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

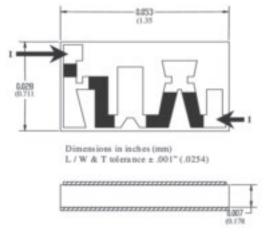


Bias Filter Network

Functional Application

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

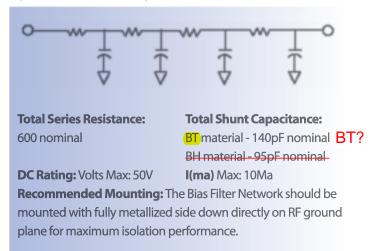
Physical Characteristics

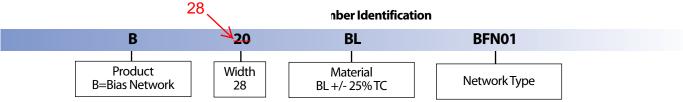


Benefits

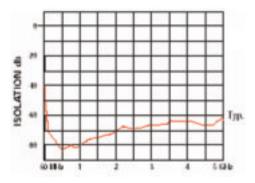
- Filters noise and RF from Supplies
- Reduces RF feedback through bias supplies
- Simplifies assembly one component replaces many
- Designed with large 4 mil wirebond pads for assembly ease

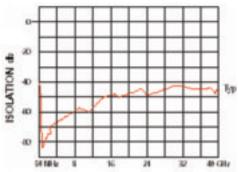
Equivalent Schematic Representation



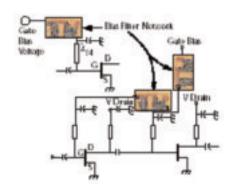


Isolation vs. Frequency





Typical Application



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