

HF-SHF Galvanic Isolator 3dB bandwidth:3MHz-25GHz Impedance: 600 · Ratio: 1:1 Power: 250mW max. Current: 200 mA max. • Isolation 250 Enclosi shield HEROS technology

3MHz - 2.5GHz

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The broadband 3MHz to 2.5GHz HF-SHF Galvanic Isolator ensures full galvanic isolation between connected radio equipment and accessories ensuring that signal and ground paths on input and output ports are completely isolated from each side, only magnetic signal is transferred.

That gives protection between connected circuits that could be at different ground potentials, source of unexpected damages on receivers, while avoiding the appearance of noisy ground loops.

The HF-SHF Galvanic Isolator can achieve up to 40dB noise rejection due ground loops.

Specifications

- Bandwidth @ -3dB: 3MHz 2.5GHz
- Nominal impedance: 50Ω
- Input-Output Z ratio: 1:1
- Power rating: 250mW (+24dBm max)
- DC current: 30mA (max)
- Interwinding isolation: 250VPEP
- Insertion Loss: see graphic plot below.
- Connectors: SMA
- Enclosure Size: 37mmx37mmx25mm(1.45x1.45x0.98in)

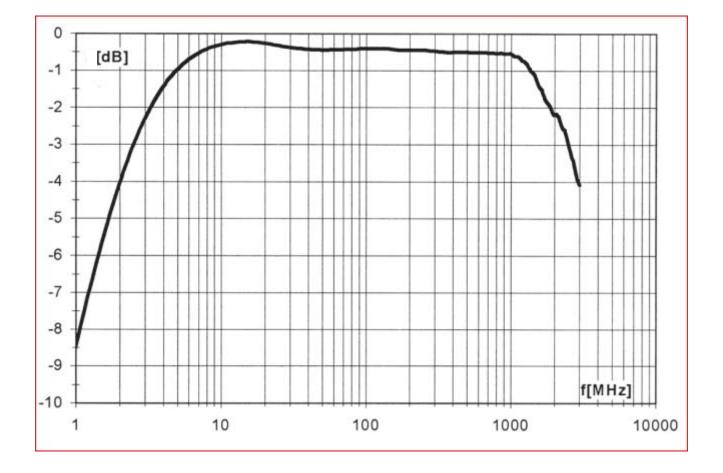
TRANSFORMER

- Ceramic base
- Ferrite core
- Terminations tin-silver-copper over silver-platinumglass frit. RoHS compliant.
- Operating temperature range: 40°C to +85°C
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
- Failures in Time (FIT) / Mean Time Between Failures (MTBF): 60 per billion hours.

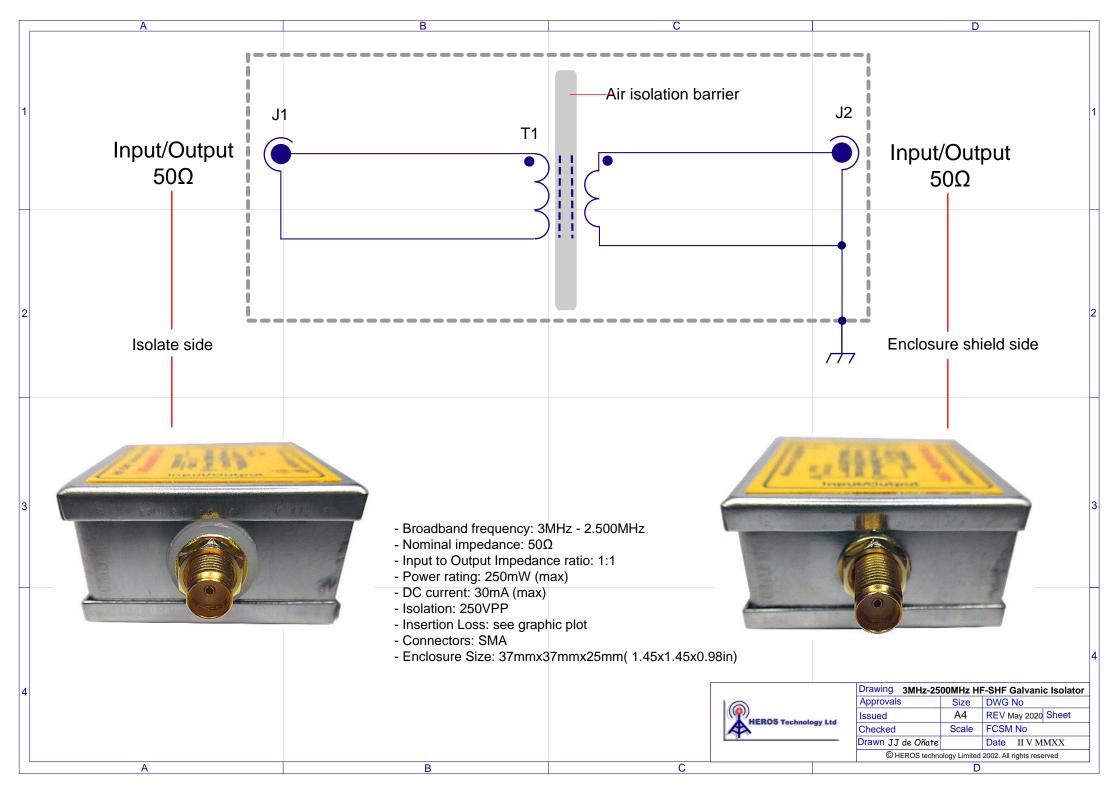
(16,666,667 hours, calculated per Telcordia SR-332)

- * RF measurements referenced to 50 Ohms.
- * Electrical specifications at 25°C.





HF-SHF Galvanic Isolator response graphic plot





NOTES:

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