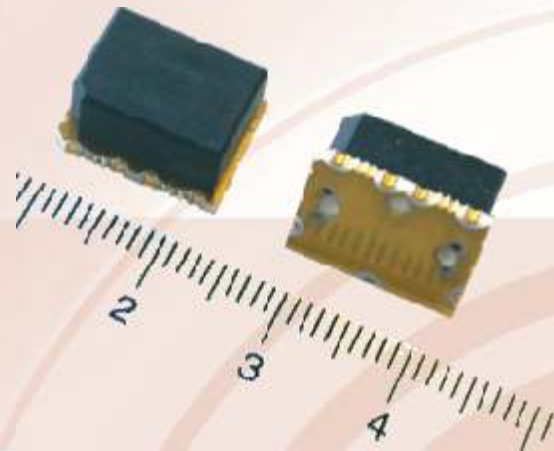
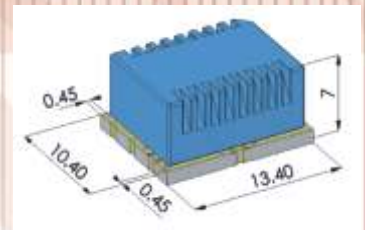


# SMT power Micro-SPDT with 10 GHz capabilities



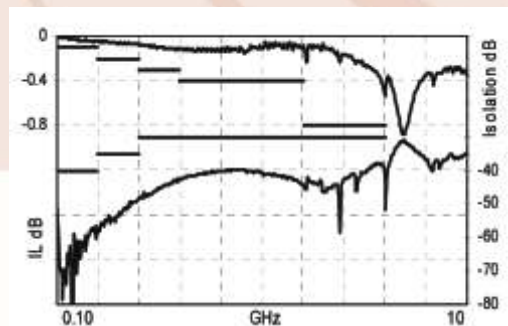
An innovative and original «micro mechanical» design allows the R596 SMT micro-relay to bring together the excellent reliability, RF and repeatability characteristics of coaxial switches with the miniature size and low cost implementation of surface mount components.

This relay has been designed to be used in applications such as Base Stations and Automatic Test Equipments for military and wireless communication markets.

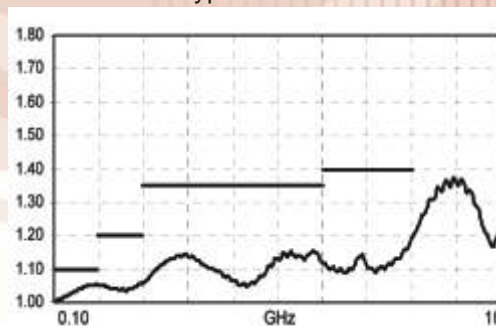


Frequency range	: from DC to 10 GHz
High power handling	: 120 W cw at 1 GHz
Low insertion loss	: 0.1 dB typical at 6 GHz
Low return loss	: 1.15 typical at 6 GHz
SMT compatible	: infra red reflow / forced air oven
Low size / Low weight	: < 1 cm <sup>3</sup> / < 2grams
High reliability	: Strong steady RF contact and locking forces ensure very good switching reliability over more than 2 million cycles
Standard and various operating modes	: LATCHING or FAILSAFE 6, 12 or 24 V actuators
Specific applications on harsh environment	: temperature up to 125°C ; shocks up to 1200g ; sine vibration up to 50g/2000Hz

Typical ISOLATION and INSERTION LOSS



Typical V.S.W.R.



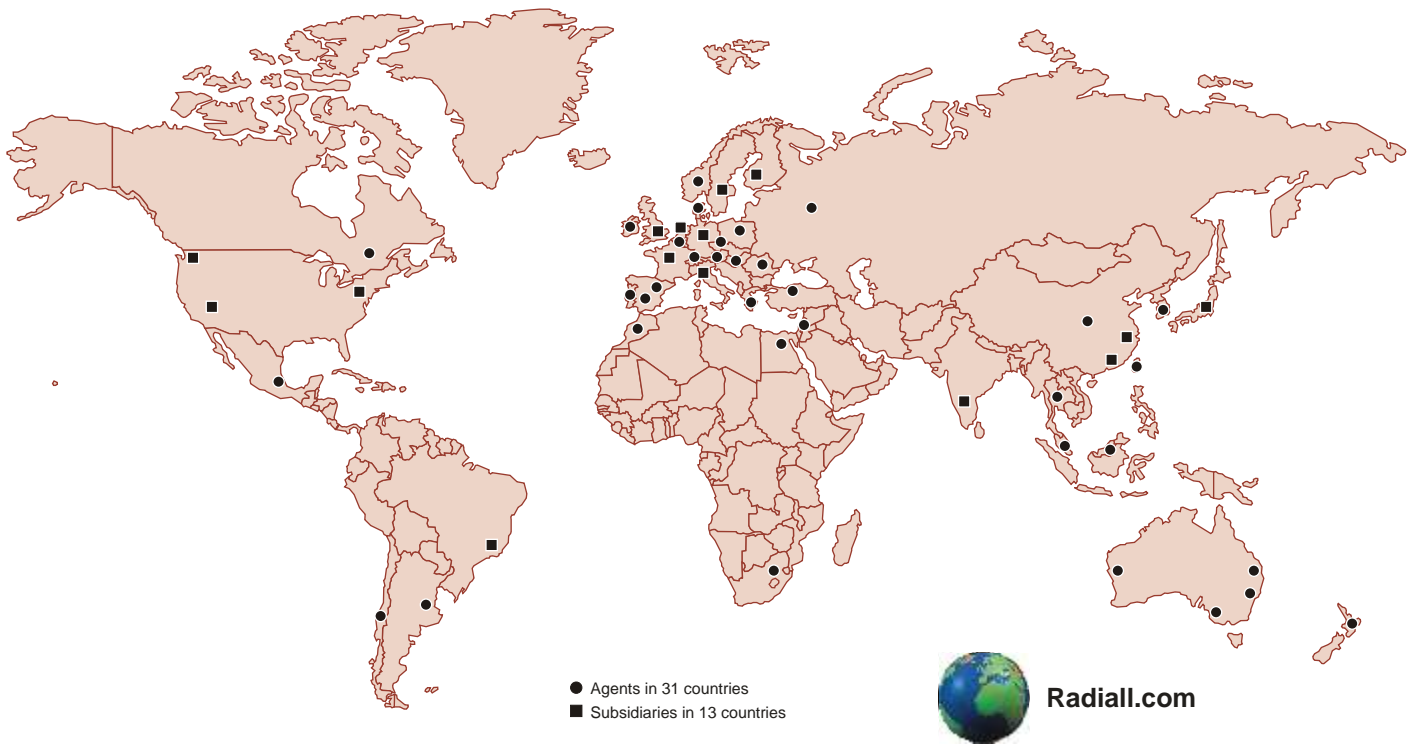
RF MEASUREMENT BOARD



ISO 9001 APPROVED



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#### USA - RADIALL (High Reliability Product)

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