## LL1580 Splitting Transformer

The LL1580 is designed for splitting signals in application where large and noisy ground differences appear, but where external magnetic fields are under control. By careful design, including double electrostatic shields, the capacative coupling between the different parts of the transformer is kept to a minimum. The transformer is built up from two coils, each with primary and secondary windings separated by double electrostatic shields, and a high permeability mu-metal core. The two coil structure in combination with the mu-metal can results in high immunity to external magnetic fields.



Parallel-split connection with separate grounds (1:1+1) equal black representation of the separate grounds <math>(1:1+1) equal black representation of the separate ground <math>(1:1+1)equal black representation of the separate ground <math>(