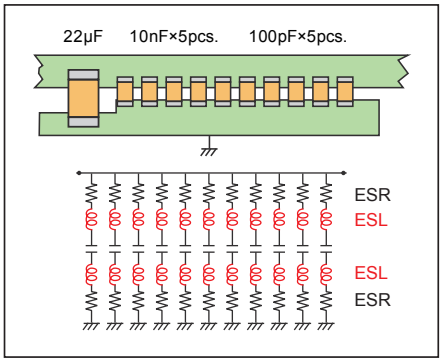
Reducing the Number of Capacitors and Noise by 3-Terminal Capacitors

■Example <1>　MLCC* 11pcs (22μF+10nF×5pcs + 100pF×5pcs) → Chip Type 3-Terminal Capacitors 10μF

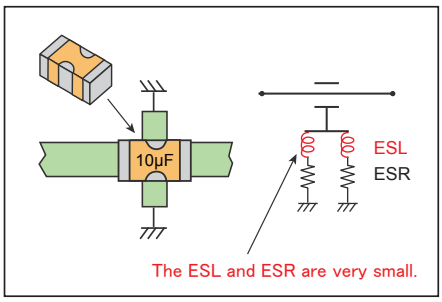
*MLCC = Multilayer Ceramic Capacitors

MLCC 11pcs Parallel Connection

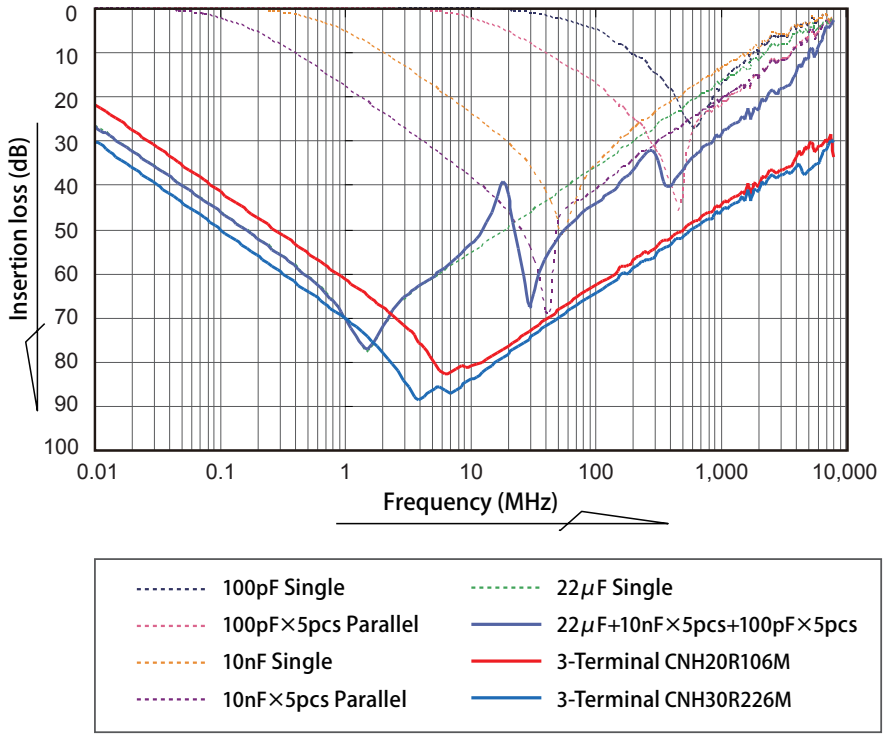


Number of Capacitors 1/10

Chip Type 3-Terminal Capacitor 10μF

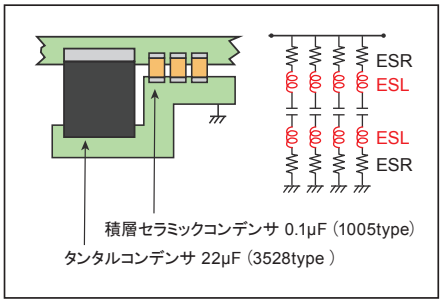


Insertion Loss

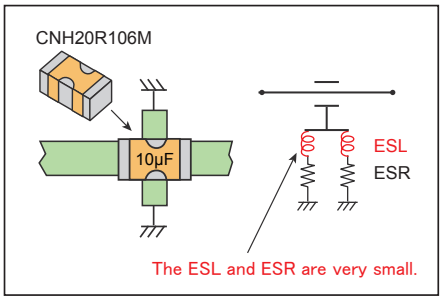
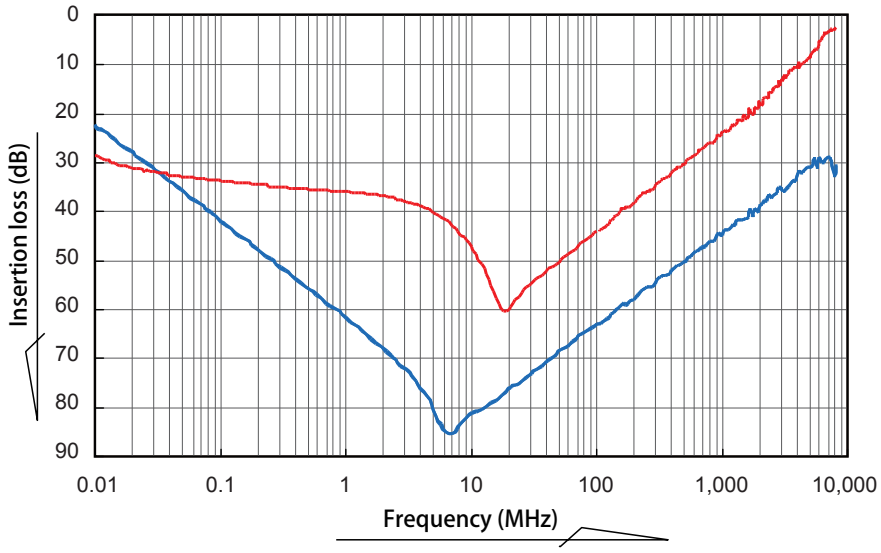


■ Example <2>　Tantalum Capacitor 22μF + MLCC 0.1μF×3pcs → Chip Type 3-Terminal Capacitors 10μF

Tantalum Capacitor
+ MLCC 3pcs Parallel Connection



Chip Type 3-Terminal Capacitor 10μF



Insertion Loss