

Number of contacts : 1, 2, 4, 6, 8 or 10 coaxial contacts
 Grid pattern : 4.40 x 6.25 mm (within a twin x between twins);
 8.80 mm for Mini Coax single-row connectors

Dielectric withstanding Voltage $U_{r.m.s.}$: ≤ 1000 V (for 60 s)
 DC-contact resistance
 Centre contact : ≤ 12 m Ω
 Ground contact : ≤ 6 m Ω
 Insulation resistance : ≥ 5000 M Ω

Power : ≤ 40 W (at 2.5 GHz)
 Frequency range : DC ... 2.5 GHz
 Nominal impedance : 50 Ω
 Return loss : < -20 dB
 VSWR : < 1.22
 Insertion loss : < 0.25 dB

Near end crosstalk (NEXT) :

Pin distance	Board-to-Board	Board-to-Cable	Cable-to-Cable
$\Delta x = 4.40$ mm	50 dB	60 dB	90 dB
$\Delta x = 6.25$ mm	60 dB	70 dB	90 dB
$\Delta x = 7.64$ mm	75 dB	80 dB	90 dB
$\Delta x = 8.80$ mm	–	75 dB	–
$\Delta x = 12.50$ mm	90 dB	90 dB	90 dB

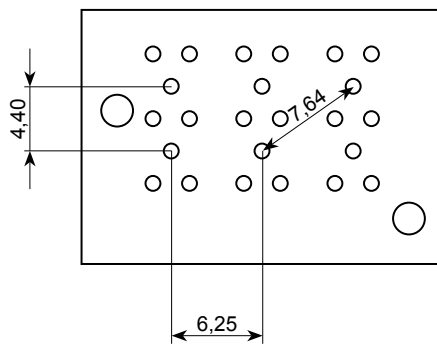


Fig. 5: Grid pattern
Mini Coax Standard

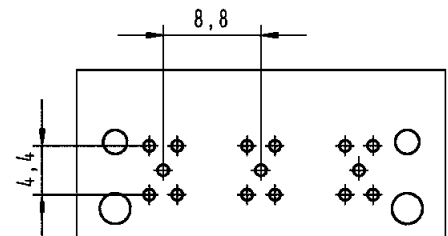


Fig. 6: Grid pattern
Mini Coax single-row

Temperature range : -55 °C ... $+125$ °C

Moulding material : Liquid Cristal Polymer (LCP), UL 94-V0

Contact surface : Au
 Contact zone : Au
 Termination area : Au
 Centre pin : Au
 Ground pin : Ni