

QJC & QJN Series 90° POWER DIVIDERS / COMBINERS

100 to 6500 MHz / Wide BW / High Power / Excellent Amplitude Bal. / Low Insertion Loss / N or TNC



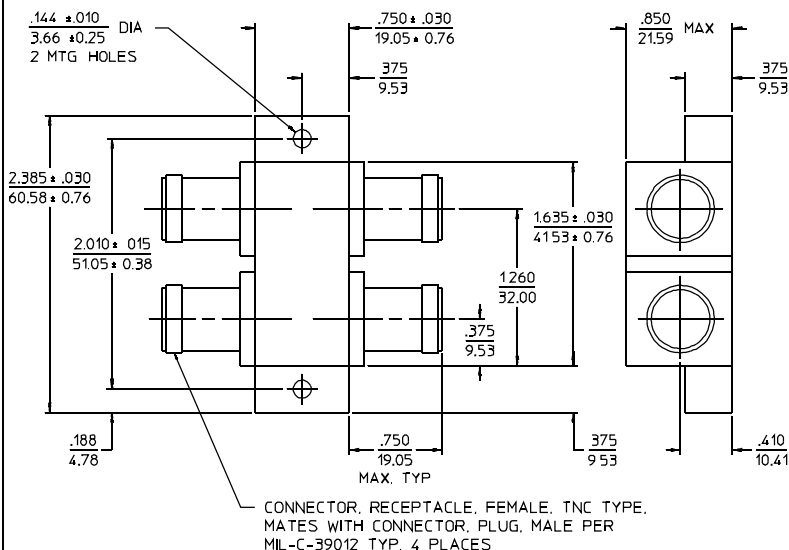
PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Performance Bandwidth, MHz	Amplitude Bal., dB, Phase Tolerance	Isolation, dB, Min.	Insertion Loss, dB, Typ. Max.	VSWR, Max.	Weight, oz.(g) Nom.
QJN-3-.300G	100 - 500	100 - 400 400 - 500	1.5 1.0	90° ± 4°	18	0.3 0.5	12(336)
QJC-2-3.95G	3700 - 4200	3700 - 4200	1.0	90° ± 4°	18	0.3 0.5	4(112)
QJC-2-6.2G	5900 - 6500	5900 - 6500	1.0	90° ± 4°	18	0.3 0.5	4(112)

*Insert desired Center Frequency /xxxxx allocated by factory

QJC Outline

NOTES: 1. Tolerance on 3 place decimals ±0.020(.51) except as noted.
2. Dimensions in inches over millimeters.



20Feb96

GENERAL SPECIFICATIONS

Coupling: - 3 dB nom.
Impedance: 50 Ω nom.
CW Input: 500 W max.(1.1:1 VSWR)
200 W max.(2.0:1 VSWR)
Peak Power: 10 kW max.
Operating Temp.: - 55° to +85°C
Connectors: C, LC and HC Optional

General Notes:

1. The QJN and QJC series of Quadrature Hybrids have been designed for high power terrestrial and aerospace applications and are available for a variety of applications including those covering the 30 to 76 MHz, 100 to 500 MHz and selected microwave bands.
2. Model QJN-4 is designed using heavy gauge wire and high saturation ferrite torroids with careful attention to heat dissipation. Units above 100 MHz utilize the latest high conductivity, composite dielectric materials to prevent localized heat build up due to poor matches.