

TRANSMITTER COMBINERS

UHF 300 - 650 MHz

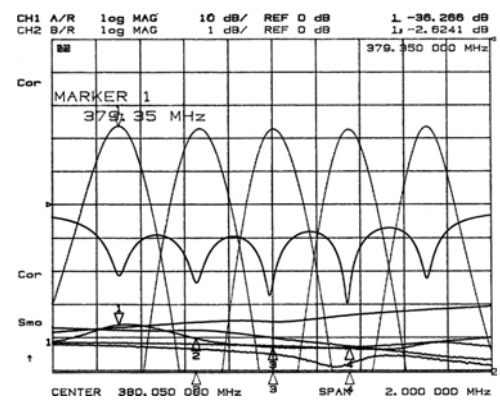
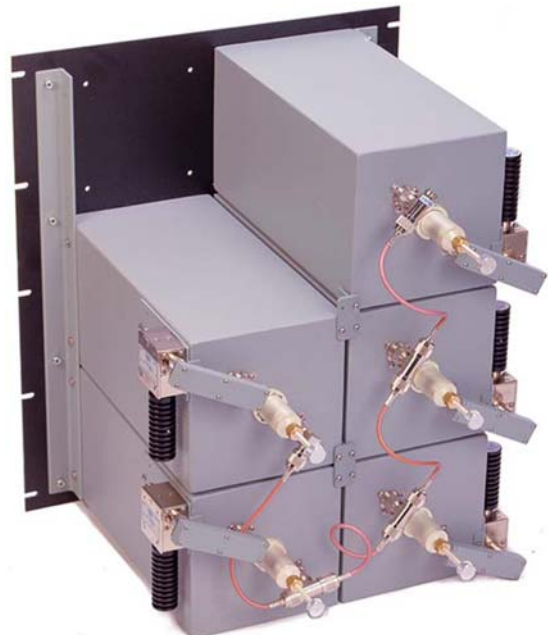
ELECTRICAL SPECIFICATIONS

| Model Number | W65451/7 | W65461/7 | W65471/7 | W65481/7 |
|----------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Frequency Band (MHz) | 300-650 | 300-650 | 300-650 | 300-650 |
| # of Channels | 5 | 6 | 7 | 8 |
| Max. Pwr Per Channel | 50 W | 50 W | 50 W | 50 W |
| Min. Frequency Spacing | 300 KHz | 300 KHz | 300 KHz | 300 KHz |
| Max. Insertion Loss | 2.7 dB | 2.9 dB | 3.1 dB | 3.3 dB |
| Min. Insertion Loss | 2.1 dB | 2.3 dB | 2.5 dB | 2.7 dB |
| Isolation Tx/Tx (min/typ) | 40 / 45 dB | 40 / 45 dB | 40 / 45 dB | 40 / 45 dB |
| Isolation Ant/Tx (min/typ) | 30 / 35 dB | 30 / 35 dB | 30 / 35 dB | 30 / 35 dB |
| Impedance | 50 Ω | 50 Ω | 50 Ω | 50 Ω |
| Max. VSWR In/Out | 1.1:1 / 1.25:1 | 1.1:1 / 1.25:1 | 1.1:1 / 1.25:1 | 1.1:1 / 1.25:1 |
| Isolator | Single | Single | Single | Single |
| Temperature Range | - 22 to +140 °F - 30 to +60 ° C | - 22 to +140 °F - 30 to +60 ° C | - 22 to +140 °F - 30 to +60 ° C | - 22 to +140 °F - 30 to +60 ° C |

MECHANICAL SPECIFICATIONS

| Cavity Dim (WxD) | Inches | 7" x 7" | 7" x 7" | 7" x 7" | 7" x 7" |
|-----------------------------|--------|------------------|------------------|------------------|------------------|
| | Metric | 178 x 178 | 178 x 178 | 178 x 178 | 178 x 178 |
| Finished Dim (HxWxD) (Max.) | Inches | 22 3/4 x 19 x 19 | 22 3/4 x 19 x 19 | 29 3/4 x 19 x 19 | 29 3/4 x 19 x 19 |
| | Metric | 578 x 483 x 483 | 578 x 483 x 483 | 756 x 483 x 483 | 756 x 483 x 483 |
| Connectors | | N Female | N Female | N Female | N Female |
| Finish | | EMR Gray | EMR Gray | EMR Gray | EMR Gray |
| Ship Weight: lbs. | | 71 | 97 | 111 | 130 |
| | kg. | 32.3 | 44.0 | 50.4 | 59.0 |

W65451/7



FILTER FERRITE