

Wideband Tapper

CO-ExxNI

Low PIM (-161dBc), 138-960MHz, N-Female

- Wideband design covering 138-960MHz
- Public Safety Band (VHF, UHF, 700/800)
- Available in 5, 7, 10, 13, 15 & 20dB values
- Suitable for indoor/outdoor environment
- High reliability and low insertion loss



Electrical Specification

Product Model	CO-E05NI	CO-E07NI	CO-E10NI	CO-E13NI	CO-E15NI	CO-E20NI
Frequency (MHz)	138-960					
Coupling Coefficient (dB)	5.0	7.0	10.0	13.0	15.0	20.0
Coupling Tolerance (dB)						
@138-200MHz	-6.3 ± 0.7	-8.1 ± 0.7	-10.7 ± 0.6	-13.3 ± 0.6	-15.5 ± 0.6	-20.2 ± 0.6
@200-250MHz	-5.7 ± 0.5	-7.5 ± 0.5	-10.2 ± 0.5	-12.8 ± 0.5	-15.3 ± 0.5	-20.2 ± 0.6
@250-380MHz	-5.4 ± 0.5	-7.2 ± 0.5	-10.0 ± 0.5	-12.7 ± 0.5	-15.0 ± 0.5	-20.0 ± 0.5
@380-520MHz	-5.0 ± 0.5	-6.9 ± 0.5	-10.0 ± 0.5	-12.7 ± 0.5	-15.0 ± 0.5	-20.0 ± 0.5
@520-617MHz	-4.8 ± 0.5	-6.8 ± 0.5	-10.0 ± 0.5	-12.7 ± 0.5	-15.0 ± 0.5	-20.0 ± 0.5
@617-960MHz	-4.6 ± 0.5	-6.6 ± 0.5	-10.0 ± 0.5	-12.7 ± 0.5	-15.0 ± 0.5	-20.0 ± 0.5
Coupled Loss (dB). Typical (dB)						
@138-250MHz	1.4	0.8	0.4	0.2	0.2	0.1
@250-520MHz	1.7	1.1	0.5	0.3	0.2	0.1
@520-617MHz	1.8	1.2	0.5	0.3	0.2	0.1
@617-960MHz	2.0	1.3	0.6	0.4	0.2	0.2
VSWR @ input port	≤ 1.4	≤ 1.3	≤ 1.25	≤ 1.2	≤ 1.15	≤ 1.15
PIM (dBc)	≤-161 @ 2 x 43dBm					
Average Power, max (W)	300					
Peak Power, max (W)	3000					
Impedance (ohm)	50					

Mechanical Specification

Dimension (in./mm)	4.72x0.98x0.98 / 120.0x25.0x25.0
Weight (lb./kg)	0.55 / 0.25
Shipping Dimension(in./mm)	6.89x3.46x1.50/ 175.0x88.0x38.0
Shipping Weight(lb./kg)	0.73 / 0.33
Connector	N-Female

Environment & Compliance

Application	Indoor / Outdoor
Operating Temperature	-35°C to +85°C
Environment	IP65
Relative Humidity	Up to 95%
RoHS	Compliant

Outline Drawing

Unit: inches [mm]



