

Wideband Tapper

CO-EHxxAI

Low PIM (-161dBc), 138-4200MHz, 4.3-10 Female, 300W

- Wideband operation (138–4200 MHz) supporting Public Safety and C-Band systems
- Available in 5, 7, 10, 13, 15 & 20dB values
- Rugged design for indoor and outdoor environments
- High reliability with low insertion loss



Electrical Specification

Product Model	CO-EH05AI	CO-EH07AI	CO-EH10AI	CO-EH13AI	CO-EH15AI	CO-EH20AI
Frequency (MHz)	138-960/ 1695-2700/3500-4200					
Coupling Coefficient (dB)	5.0	7.0	10.0	13.0	15.0	20.0
Coupling Tolerance (dB)						
@138-200MHz	-5.9 ± 0.7	-8.1 ± 0.7	-10.3 ± 0.7	-13.1 ± 0.7	-15.2 ± 0.7	-19.6 ± 0.7
@380-550MHz	-4.9 ± 0.5	-6.9 ± 0.5	-10.0 ± 0.6	-12.4 ± 0.5	-15.0 ± 0.5	-19.5 ± 0.6
@617-960MHz	-4.6 ± 0.5	-6.9 ± 0.5	-10.0 ± 0.6	-12.5 ± 0.6	-15.0 ± 0.6	-19.5 ± 0.6
@1695-2700MHz	-4.6 ± 0.7	-7.0 ± 1.0	-10.0 ± 1.0	-13.0 ± 1.0	-15.3 ± 1.2	-20.5 ± 1.5
@3450-4200MHz	-5.2 ± 0.6	-7.5 ± 1.0	-10.0 ± 1.0	-13.0 ± 1.0	-15.3 ± 1.0	-20.5 ± 1.2
Coupled Loss. Typical (dB)						
@138-200MHz	1.3	0.9	0.6	0.4	0.3	0.2
@380-550MHz	1.8	1.1	0.6	0.4	0.3	0.2
@617-960MHz	1.9	1.1	0.6	0.4	0.3	0.2
@1695-2700MHz	2.0	1.1	0.6	0.4	0.3	0.2
@3450-4200MHz	1.7	1.0	0.7	0.4	0.4	0.2
VSWR @ input port.	≤ 1.50	≤ 1.5	≤ 1.50	≤ 1.40	≤ 1.30	≤ 1.30
PIM (dBc)	≤ -161 @ 2 x 43dBm					
Average Power, max (W)	300					
Peak Power, max (W)	3000					
Impedance (ohm)	50					

Mechanical Specification

Dimension (in/mm)	6.06x2.13x0.98 / 154.0x54.0x25.0
Weight (lb./kg)	0.51 / 0.23
Shipping Dimension(in/mm)	6.89x3.46x1.50 / 175.0x88.0x38.0
Shipping Weight(lb./kg)	0.66 / 0.30
Connector	4.3-10 F

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]

