

TQ-TAP RF Power Tappers



FEATURES

- Supports all Public Safety Bands
- Low Insertion Loss
- Low VSWR
- Up to 200W Average Power
- High Reliability, IP65

The TQ-TAP series of RF Power Tappers is designed to accommodate all Public Safety Bands. These Power Tappers play a crucial role in distributing and balancing RF power across a distributed antenna system. By attenuating the power more on the coupled port in comparison to the through port, Tappers facilitate an even distribution of power. This characteristic ensures that antennas located farther away from the signal booster receive approximately the same power as antennas in closer proximity, promoting uniform coverage throughout the system.

Technical Specifications

Frequency Range	137-960MHz
Average Power (W)	200W
Nominal Impedance	50Ω
Connector Type	N-Female
IP Grade	IP-65
Application	Indoor & Outdoor
Dimension	138 x 46 x 25 mm (Without Connectors)
Weight	8 oz.
Operating Temperature	-35°C to +75°C
Color	Black

Ordering Information

Model	Description	Stock No.
TQ-TAP-137-960-3	RF Tapper, 137-960MHz, N-Female, 3 dBm	3996142
TQ-TAP-137-960-5	RF Tapper, 137-960MHz, N-Female, 5dBm	3996169
TQ-TAP-137-960-6	RF Tapper, 137-960MHz, N-Female, 6 dBm	3996170
TQ-TAP-137-960-8	RF Tapper, 137-960MHz, N-Female, 8 dBm	3996171
TQ-TAP-137-960-10	RF Tapper, 137-960MHz, N-Female, 10 dBm	3996172
TQ-TAP-137-960-13	RF Tapper, 137-960MHz, N-Female, 13 dBm	3996173
TQ-TAP-137-960-15	RF Tapper, 137-960MHz, N-Female, 15 dBm	3996174
TQ-TAP-137-960-20	RF Tapper, 137-960MHz, N-Female, 20 dBm	3996175
TQ-TAP-137-960-30	RF Tapper, 137-960MHz, N-Female, 30 dBm	3996176

GUARDIAN



Model #	Nominal Ratio	Output Split	Insertion Loss	Coupled Port Loss	Branch Flatness incl Loss, dB	Input VSWR (max)
TQ-TAP-137-960-3	2:1/3.0 dB	-2.3/-4.8	-2.3 dB	-4.8 dB	-7.2±0.9@137-200MHz -6.5±0.7@200-250MHz -6.0±0.6@250-380MHz -5.5±0.6@380-520MHz -4.8±0.6@698-960MHz	1.4@137-380 1.35@380-960
TQ-TAP-137-960-5	3:1/4.8 dB	-1.8/-6.1	-1.8 dB	-6.1 dB	-7.8±0.7@137-200MHz -6.8±0.6@200-250MHz -6.4±0.6@250-380MHz -6.1±0.6@380-520MHz -6.1±0.6@698-960MHz	1.4@137-380 1.35@380-960
TQ-TAP-137-960-6	4:1/6.0 dB	-1.6/-7	-1.6 dB	-7 dB	-8.5±0.7@137-200MHz -8.0±0.6@200-250MHz -7.8±0.6@250-380MHz -7.5±0.6@380-520MHz -7.0±0.5@698-960MHz	1.3@137-380 1.35@380-960
TQ-TAP-137-960-8	6:1/8.0 dB	-0.7/-8.5	-0.7 dB	-8.5 dB	-10.0±0.7@137-200MHz -9.5±0.6@200-250MHz -9.0±0.6@250-380MHz -8.5±0.6@380-520MHz -7.8±0.5@698-960MHz	1.3@137-380 1.35@380-960
TQ-TAP-137-960-10	10:1/10 dB	-0.9/-10.4	-0.9 dB	-10.4 dB	-11.5±0.8@137-200MHz -10.7±0.7@200-250MHz -10.3±0.7@250-380MHz -10.1±0.7@380-520MHz -9.9±0.5@698-960MHz	1.25@137-380 1.25@380-960
TQ-TAP-137-960-13	20:1/13 dB	-0.7/-13.0	-0.7 dB	-13.0 dB	-14.5±0.8@137-200MHz -13.6±0.8@200-250MHz -13.5±0.8@250-380MHz -13.2±0.8@380-520MHz -13.1±0.5@698-960MHz	1.25@137-380 1.25@380-960
TQ-TAP-137-960-15	30:1/15 dB	-0.5/-15.3	-0.5 dB	-15.3 dB	-16.5±0.8@137-200MHz -15.6±0.8@200-250MHz -15.5±0.8@250-380MHz -15.2±0.8@380-520MHz -15.4±0.5@698-960MHz	1.25@137-380 1.25@380-960
TQ-TAP-137-960-20	100:1/20 dB	-0.4/-20.1	-0.4 dB	-20.1 dB	-20.7±1.0@137-200MHz -20.1±1.0@200-250MHz -20.0±1.0@250-380MHz -20.1±1.0@380-520MHz -20.1±0.8@698-960MHz	1.25@137-380 1.25@380-960
TQ-TAP-137-960-30	1000:1/30 dB	-0.3/-30.1	-0.3 dB	-30.1 dB	-30.7±1.0@137-200MHz -30.1±1.0@200-250MHz -30.1±1.0@250-380MHz -30.1±1.0@380-520MHz -30.1±0.8@698-960MHz	1.25@137-380 1.25@380-960