

# 1,2 GHz 8-way outdoor taps



52728110  
MTRE-128-11



52728290  
MTRE-128-29

■ KLASSE  
**A**  
■ CLASS + 10 dB

- Watertight aluminium alloy housing with PU coating (IP65), when connecting waterproof and dustproof F connectors to the F ports (e. g. Cabelcon Hardline F connectors) IP 68
- Waterproof condition 15 PSI
- NiSn65 alloy coated watersealed F-female connectors
- AC/RF bypass in the loop (IN – OUT) in case of a removed faceplate max. 12 A, 65 VAC

- High screening factor Class A +10 dB
- Terminals: Tap F-female; IN/OUT 5/8"
- Hum modulation distance at 10 A with 70 dB average
- Surge protection 1 kV 1,2/50 µs
- Operating temperature range: -40°C ... +60°C
- Mounting angle not included (Order No. 52999000)
- SA type on request

| Parameter             | Frequency [MHz]    | MTRE-128-11 |          | MTRE-128-14 |          | MTRE-128-17 |          | MTRE-128-20 |         |
|-----------------------|--------------------|-------------|----------|-------------|----------|-------------|----------|-------------|---------|
| Through loss [dB]     | 5 – 65             | –           |          | 3,6         |          | 1,6         |          | 1,1         |         |
|                       | 65 – 300           | –           |          | 4,0         |          | 1,8         |          | 1,3         |         |
|                       | 300 – 550          | –           |          | 4,7         |          | 2,5         |          | 1,9         |         |
|                       | 550 – 750          | –           |          | 5,0         |          | 2,7         |          | 2,1         |         |
|                       | 750 – 862          | –           |          | 5,0         |          | 3,0         |          | 2,3         |         |
|                       | 862 – 1.006        | –           |          | 5,1         |          | 3,1         |          | 2,4         |         |
|                       | 1.006 – 1.218      | –           |          | 5,3         |          | 3,6         |          | 2,6         |         |
| Tap loss [dB max.]    | 5 – 862            | 12          |          | 15          |          | 18          |          | 21          |         |
|                       | 862 – 1.218        | 12,5        |          | 15,5        |          | 18,5        |          | 21,5        |         |
| Return loss [dB min.] | 5 – 10             | 16          |          | 16          |          | 16          |          | 16          |         |
|                       | 10 – 47            | 18          |          | 18          |          | 18          |          | 18          |         |
|                       | 47 – 300           | 18*         |          | 18*         |          | 18*         |          | 18*         |         |
|                       | 300 – 1.006        | 16          |          | 16          |          | 16          |          | 16          |         |
|                       | 1.006 – 1.218      | 14          |          | 14          |          | 14          |          | 14          |         |
| Isolation [dB min.]   |                    | Out-Tap     | Tap-Tap  | Out-Tap     | Tap-Tap  | Out-Tap     | Tap-Tap  | Out-Tap     | Tap-Tap |
|                       | 5 – 10             | –           | 22       | 22          | 22       | 22          | 22       | 26          | 22      |
|                       | 10 – 65            | –           | 26       | 30,5        | 26       | 32          | 26       | 33,5        | 26      |
|                       | 65 – 862           | –           | 24       | 28,5        | 24       | 30          | 24       | 31,5        | 24      |
|                       | 862 – 1.006        | –           | 22       | 26,5        | 22       | 28          | 22       | 29,5        | 22      |
|                       | 1.006 – 1.218      | –           | 20       | 24,5        | 20       | 26          | 20       | 27,5        | 20      |
| Dimensions [mm]       | 117,5 x 145,5 x 78 |             |          |             |          |             |          |             |         |
| Order No.             | 52728110           |             | 52728140 |             | 52728170 |             | 52728200 |             |         |

| Parameter             | Frequency [MHz]    | MTRE-128-23 |          | MTRE-128-26 |          | MTRE-128-29 |          | MTRE-128-32 |         |
|-----------------------|--------------------|-------------|----------|-------------|----------|-------------|----------|-------------|---------|
| Through loss [dB]     | 5 – 65             | 1,1         |          | 0,8         |          | 0,8         |          | 0,7         |         |
|                       | 65 – 300           | 1,2         |          | 0,9         |          | 0,9         |          | 0,9         |         |
|                       | 300 – 550          | 1,7         |          | 1,3         |          | 1,3         |          | 1,3         |         |
|                       | 550 – 750          | 1,8         |          | 1,5         |          | 1,5         |          | 1,4         |         |
|                       | 750 – 862          | 2,0         |          | 1,8         |          | 1,7         |          | 1,7         |         |
|                       | 862 – 1.006        | 2,1         |          | 1,9         |          | 1,8         |          | 1,8         |         |
|                       | 1.006 – 1.218      | 2,3         |          | 2,1         |          | 2,0         |          | 2,0         |         |
| Tap loss [dB max.]    | 5 – 862            | 24          |          | 27          |          | 30          |          | 33          |         |
|                       | 862 – 1.218        | 24,5        |          | 27,5        |          | 30,5        |          | 33,5        |         |
| Return loss [dB min.] | 5 – 10             | 16          |          | 16          |          | 16          |          | 16          |         |
|                       | 10 – 47            | 18          |          | 18          |          | 18          |          | 18          |         |
|                       | 47 – 300           | 18*         |          | 18*         |          | 18*         |          | 18*         |         |
|                       | 300 – 1.006        | 16          |          | 16          |          | 16          |          | 16          |         |
|                       | 1.006 – 1.218      | 14          |          | 14          |          | 14          |          | 14          |         |
| Isolation [dB min.]   |                    | Out-Tap     | Tap-Tap  | Out-Tap     | Tap-Tap  | Out-Tap     | Tap-Tap  | Out-Tap     | Tap-Tap |
|                       | 5 – 10             | 33          | 22       | 35          | 22       | 40          | 22       | 40          | 22      |
|                       | 10 – 65            | 35          | 26       | 36,5        | 26       | 38          | 26       | 39,5        | 26      |
|                       | 65 – 862           | 33          | 24       | 34,5        | 24       | 36          | 24       | 37,5        | 24      |
|                       | 862 – 1.006        | 31          | 22       | 32,5        | 22       | 34          | 22       | 35,5        | 22      |
|                       | 1.006 – 1.218      | 29          | 20       | 30,5        | 20       | 32          | 20       | 33,5        | 20      |
| Dimensions [mm]       | 117,5 x 145,5 x 78 |             |          |             |          |             |          |             |         |
| Order No.             | 52728230           |             | 52728260 |             | 52728290 |             | 52728320 |             |         |

\* At 47 MHz -1,5 dB/Oct

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