

2-, 4- and 8-way shielded directional tap-offs. Frequency range: 5-1000 MHz.

Wall fixing, nickel-plated zinc diecast housing (2 screws attached). Grounding facilities. All ports F female connector.

### DLS-200 Series. 2-way Tap-offs

| MODEL                                                        |              |    | DLS-204  | DLS-208 | DLS-211 | DLS-214 | DLS-217 | DLS-220 | DLS-223 |
|--------------------------------------------------------------|--------------|----|----------|---------|---------|---------|---------|---------|---------|
| REF.                                                         |              |    | 3355     | 3353    | 3352    | 3351    | 3350    | 3349    | 3348    |
| Tap loss<br>(±0.7 dB in 5-469 MHz and ±1 dB in 470-1000 MHz) |              | dB | 4        | 8       | 11      | 14      | 17      | 20      | 23      |
| Through loss                                                 | 5-469 MHz    | dB | Terminal | ≤ 3.5   | ≤ 1.8   | ≤ 1.5   | ≤ 1.0   | ≤ 1.0   | ≤ 1.0   |
|                                                              | 470-862 MHz  |    | Terminal | ≤ 3.5   | ≤ 2.0   | ≤ 1.8   | ≤ 1.2   | ≤ 1.2   | ≤ 1.2   |
|                                                              | 863-1000 MHz |    | Terminal | ≤ 3.5   | ≤ 2.5   | ≤ 2.2   | ≤ 1.5   | ≤ 1.5   | ≤ 1.5   |
| Return loss                                                  |              | dB | ≥ 16     |         |         |         |         |         |         |
| Directional isolation                                        | 5-469 MHz    | dB | Terminal | ≥ 30    | ≥ 25    | ≥ 25    | ≥ 35    | ≥ 30    | ≥ 40    |
|                                                              | 470-1000 MHz |    | Terminal | ≥ 30    | ≥ 25    | ≥ 22    | ≥ 25    | ≥ 30    | ≥ 30    |
| Tap-to tap isolation                                         | 5-469 MHz    | dB | ≥ 25     | ≥ 35    | ≥ 35    | ≥ 40    | ≥ 35    | ≥ 40    | ≥ 40    |
|                                                              | 470-1000 MHz |    | ≥ 25     | ≥ 25    | ≥ 30    | ≥ 35    | ≥ 30    | ≥ 35    | ≥ 35    |

Dimensions (mm): 75x48x19



DLS-217

### DLS-400 Series. 4-way Tap-offs

| MODEL                                                        |              |    | DLS-408  | DLS-411 | DLS-414 | DLS-417 | DLS-420 | DLS-423 |
|--------------------------------------------------------------|--------------|----|----------|---------|---------|---------|---------|---------|
| REF.                                                         |              |    | 3356     | 3344    | 3343    | 3342    | 3341    | 3340    |
| Tap loss<br>(±0.7 dB in 5-469 MHz and ±1 dB in 470-1000 MHz) |              | dB | 7.5      | 11      | 14      | 17      | 20      | 23      |
| Through loss                                                 | 5-469 MHz    | dB | Terminal | ≤ 3.7   | ≤ 2.0   | ≤ 1.5   | ≤ 1.0   | ≤ 1.0   |
|                                                              | 470-862 MHz  |    | Terminal | ≤ 4.2   | ≤ 2.5   | ≤ 1.8   | ≤ 1.2   | ≤ 1.0   |
|                                                              | 863-1000 MHz |    | Terminal | ≤ 4.5   | ≤ 2.8   | ≤ 2.0   | ≤ 1.4   | ≤ 1.2   |
| Return loss                                                  |              | dB | ≥ 16     |         |         |         |         |         |
| Directional isolation                                        | 5-469 MHz    | dB | Terminal | ≥ 35    | ≥ 35    | ≥ 35    | ≥ 40    | ≥ 40    |
|                                                              | 470-1000 MHz |    | Terminal | ≥ 30    | ≥ 35    | ≥ 35    | ≥ 40    | ≥ 35    |
| Tap-to tap isolation                                         | 5-469 MHz    | dB | ≥ 25     | ≥ 35    | ≥ 25    | ≥ 25    | ≥ 25    | ≥ 20    |
|                                                              | 470-1000 MHz |    | ≥ 25     | ≥ 25    | ≥ 20    | ≥ 20    | ≥ 20    | ≥ 20    |

Dimensions (mm): 75x60x24



DLS-420

### DLS-800 Series. 8-way Tap-offs

| MODEL                                                        |              | DLS-812 | DLS-814  | DLS-817 | DLS-820 | DLS-823 |       |
|--------------------------------------------------------------|--------------|---------|----------|---------|---------|---------|-------|
| REF.                                                         |              | 3357    | 3358     | 3359    | 3360    | 3361    |       |
| Tap loss<br>(±0.7 dB in 5-469 MHz and ±1 dB in 470-1000 MHz) |              | dB      | 12       | 14      | 17      | 20      | 23    |
| Through loss                                                 | 5-469 MHz    | dB      | Terminal | ≤ 3.7   | ≤ 1.8   | ≤ 1.2   | ≤ 1.0 |
|                                                              | 470-862 MHz  |         | Terminal | ≤ 4.2   | ≤ 2.1   | ≤ 1.4   | ≤ 1.2 |
|                                                              | 863-1000 MHz |         | Terminal | ≤ 4.5   | ≤ 2.7   | ≤ 1.8   | ≤ 1.6 |
| Return loss                                                  |              | dB      | ≥ 16     |         |         |         |       |
| Directional isolation                                        | 5-469 MHz    | dB      | Terminal | ≥ 25    | ≥ 25    | ≥ 25    | ≥ 35  |
|                                                              | 470-1000 MHz |         | Terminal | ≥ 22    | ≥ 22    | ≥ 22    | ≥ 30  |
| Tap-to tap isolation                                         | 5-469 MHz    | dB      | ≥ 30     | ≥ 25    | ≥ 25    | ≥ 25    | ≥ 20  |
|                                                              | 470-1000 MHz |         | ≥ 25     | ≥ 20    | ≥ 20    | ≥ 20    | ≥ 20  |

Dimensions (mm): 120x60x24



DLS-823