

# 4.3-10-Female Directional Couplers, 600-2700 MHz

by WAVEFORM

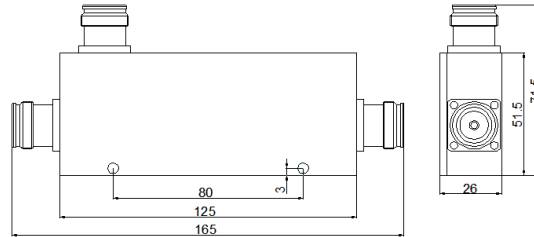
SKU: CPL727-4310-x

## Main Features:

- 600 - 2700 MHz
- 4.3-10-Female Connector
- 50  $\Omega$
- Low PIM, VSWR, and Insertion Loss
- 300 W Power Handling



\*5 dB model shown. Additional 6 dB, 7 dB, and 10 dB models are available.



## Specifications:

### Electrical:

SKU	CPL727-4310-5	CPL727-4310-6	CPL727-4310-7	CPL727-4310-10
Insertion Loss (Main Branch Output Loss)	$\leq 2.0$ dB	$\leq 1.7$ dB	$\leq 1.5$ dB	$\leq 0.8$ dB
Coupling Factor (Off Branch Output Loss)	5 dB	6 dB	7 dB	10 dB
Ratio between Ports (Tap)	3 dB	4 dB	5 dB	9 dB
In-Band Ripple	$\pm 0.8$ dB	$\pm 0.8$ dB	$\pm 0.8$ dB	$\pm 1.0$ dB
Frequency Range	600 - 2700 MHz			
Input Impedance	50 $\Omega$			
VSWR	$\leq 1.2$			
Directivity	$\geq 20$			
PIM (IM3)	$\leq -150$ dBc @ +43 dBm*2			
Power Rating (Average)	300 W			

### Mechanical:

Connector Type	4.3-10-Female
Connector Material	Copper
Cavity Color	Black
Cavity Material	Silver Plated Aluminum
Inner Conductor Material	Silver Plated Copper
Dimensions	165 x 71.5 x 26 mm (6.5 x 2.8 x 1.0 inch)
Net Weight	0.35 kg (0.77 lbs)

### Environmental:

Applied Environment	Indoor / Outdoor
Protection Class	IP65
Relative Humidity	5 to 95 %
Operating Temperature	-20 to +70 deg C



WAVEFORM

3411 W. Lake Center Drive,  
Santa Ana, CA 92704

www.waveform.com  
1-800-761-3041