

Directional Coupler

TIDCXX-0727-NF

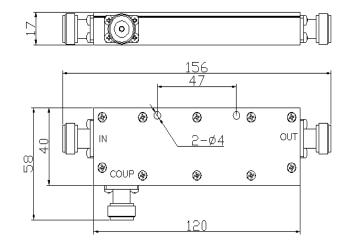
Trilogy's directional coupler design is rated for a minimum frequency of 698 MHz and a maximum frequency of 2700 MHz. Units couple off a defined fraction of signal with minimal reflections or loss. Availability in a wide range of coupling values makes this series useful in optimizing the signal\ distribution required in passive distributor radio access network(D-RAN). The extremely wide frequency range allows use with multi-band antennas, leaky cable systems and wireless base stations. With minimal solder joints and a low loss dielectric, the dissipative loss has been minimized and reliability enhanced.

Technical Specifications

Frequency: 698 to 2,700 MHz VSWR: 1.25:1 PIM: -153 dBc (@2x +43 dBm) Power: 200 W avg., 1 kW pk* Impedance: 50Ω nom. Environment: -35°C to +70°C, Housing Finish: Black paint Connectors: N Female Weight, nom: 180gra



Part Number	Coupling nom. dB	Frequency Sensitivity dB	Directivity dB	Coupled Loss, max dB
TIDC05-0727-NF	5	±0.8	20	2.0
TIDC06-0727-NF	6	±0.8	20	1.75
TIDC08-0727-NF	8	±0.8	20	1.45
TIDC10-0727-NF	10	±1.0	20	0.8
TIDC13-0727-NF	13	±1.0	20	0.6
TIDC15-0727-NF	15	±1.1	20	0.5
TIDC20-0727-NF	20	±1.2	20	0.4



©2023 Trilogy Communications, Inc. All rights reserved. All trademarks identified by ® are registered trademarks of Trilogy Communications. All Specifications are subject to change without notice. See www.trilogyrf.com or call 800-TRILOGY for the most current information. Issue 10/02/23

