



Single Directional Couplers



NSDC-6000-18000-20

6~18GHz, 20W

Features:

- * Broadband
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency range:	DC to 18 GHz
Insertion Loss:	1.0 dB Max.
Coupling:	20dB
Coupling Accuracy:	± 0.6 dB
Coupling Flatness:	± 1 dB
Directivity:	14dB min.
VSWR:	1.4 Max.
Average Power	20W
Impedance:	50 Ω

Mechanical

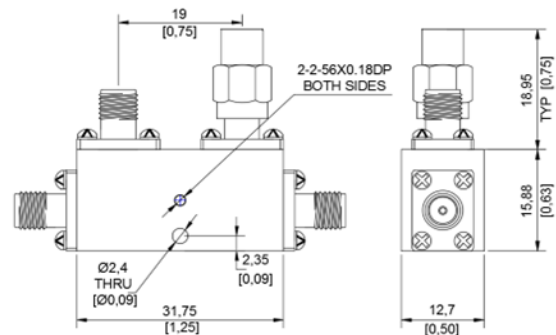
Dimensions (WxDxH):	31.8 × 12.7 × 15.9 mm
Finish:	Yellow Conductive Oxidation
Connectors:	SMA Female
Mounting:	4 × M3.0 × 0.5p DP6.0 through-hole
Housing:	Aluminum
Connector:	Gold plated brass or stainless steel
Female Contact:	gold plated beryllium brass
Rohs:	compliant
Weight:	0.1kg

[1] Exclude connectors and terminations.

Environmental

Operational Temperature:	-40°C~+85°C
Storage Temperature:	-50°C~+95°C
Vibration:	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity:	100% RH at 35°C, 95%RH at 40°C
Shock:	20G for 11msec half sine wave, 3 axis both directions

Outline Drawings



Tolerance: ± 0.5 mm [± 0.02 in]

How To Order

NSDC-6000-18000-20-X-Y

X: Coupling: 10, 20, 30

Y: Connector type

Connector naming rules:

S - SMA Female

Examples:

To order a single directional coupler, 6~18GHz, 20W, 20dB, SMA, specify NSDC-6000-18000-20-20-S.

Customization is available upon request.