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N Type Directional Couplers

RFDCN-400-6000-XX

400 - 6000 MHz, N Type Directional Couplers

LOW PIM SERIES Rev 3

ELECTRICAL SPECIFICATION

Model Number	RFDCN-400-6000-05	RFDCN-400-6000-06	RFDCN-400-6000-07	RFDCN-400-6000-08	RFDCN-400-6000-10	RFDCN-400-6000-12	RFDCN-400-6000-13	RFDCN-400-6000-15	RFDCN-400-6000-20	RFDCN-400-6000-30	RFDCN-400-6000-40
Frequency Band(MHz)	400 - 6000 MHz										
Coupling(dB)	5±1.8	6±1.8	7±1.8	8±1.8	10±2	12±2	13±2	15±2	20±2	30±2.5	40±2.5
Isolation(dB)	≥19	≥21	≥22	≥23	≥25	≥27	≥28	≥30	≥35	≥45	≥55
Insertion Loss(dB)	≤2.35	≤1.8	≤1.55	≤1.35	≤1.2	≤0.9	≤0.7	≤0.6	≤0.4	≤0.3	≤0.2
VSWR	≤1.3										
Impedance(Ω)	50Ω										
IMD with 2*43 dBm	155 dBc typ., 150 dBc min										
Power Handling	200 W CW max, 2000W Peak max										

MECHANICAL SPECIFICATION

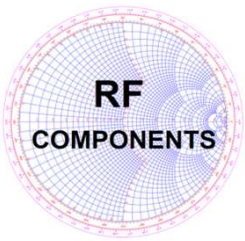
RF Connectors	N Type Female
RF Connectors Configuration	See outline
Weight	1.0 Kg max
Dimensions without connectors and mounting brackets	See outline
Outside finish	Black, powder coating
Product Configuration	Single unit
Mounting option	Screws
Mounting orientation	
Ground screw	N/A

PACKAGING SPECIFICATION

Applicable standard	NEBS GR-63-CORE
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ENVIRONMENTAL SPECIFICATION

Temperature Range	-35 to +75° C
IP Class	IP65, indoor or outdoor
EMC / EMI	NEBS GR-1089-CORE and EN 55022
Safety	EN 60950
Corrosion resistance	14 days salt fog according to IEC 60068 2-11 Test Ka



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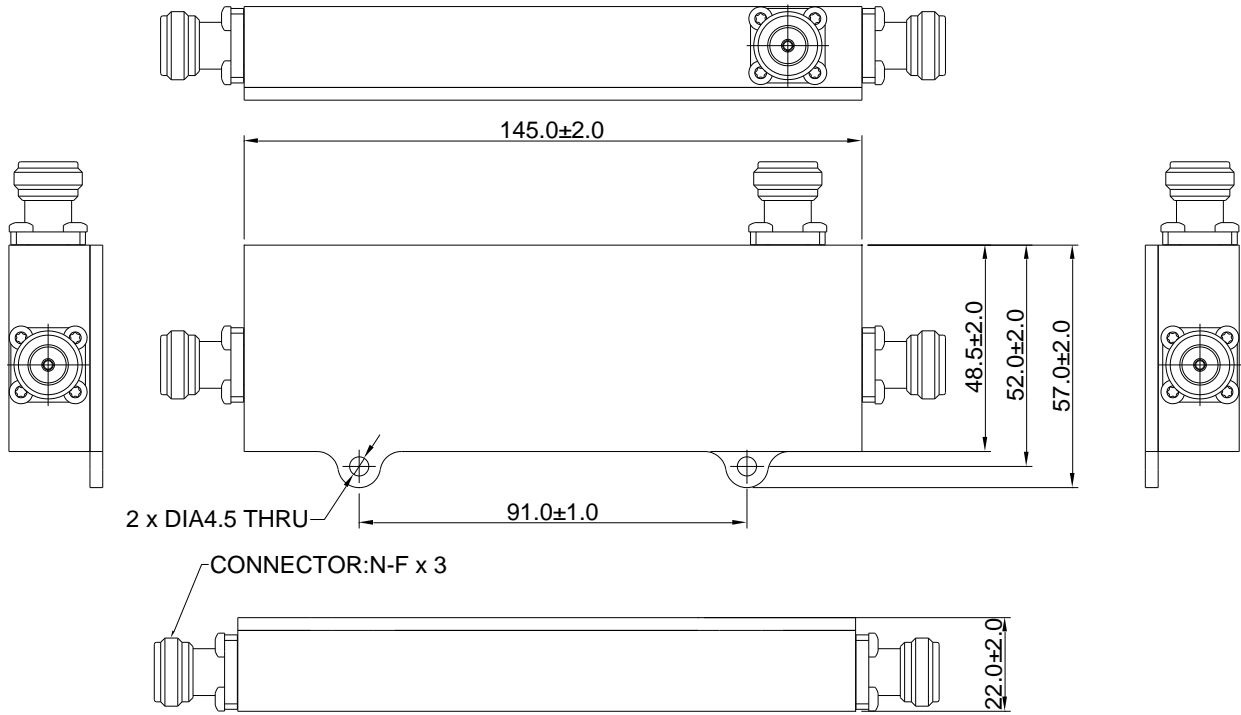
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Outline for 5-20 dB range coupling, N female



Outline for 30-40 dB range coupling, N female

