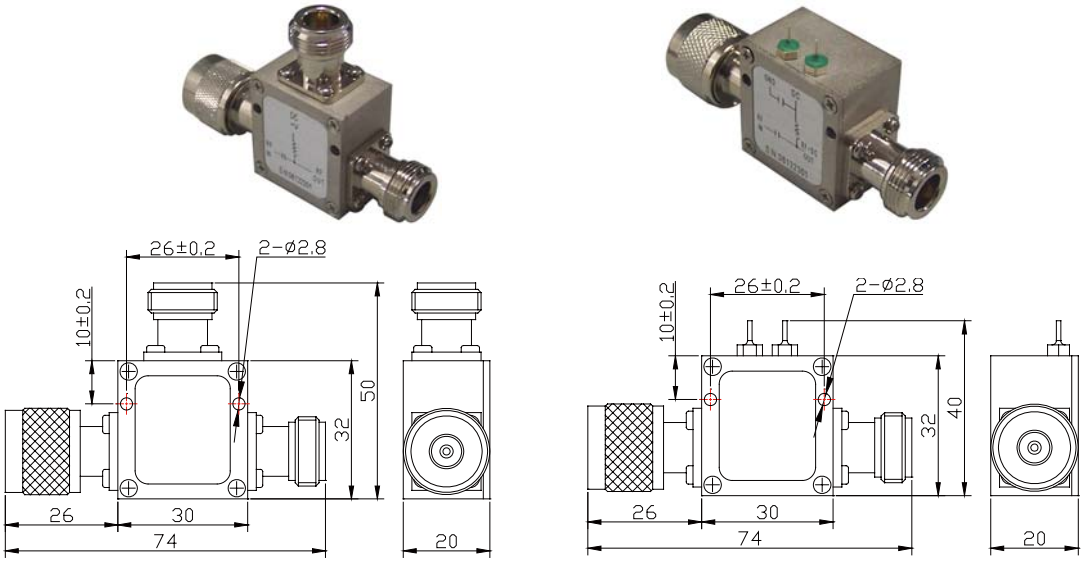
Model IDC-BT-X-N 0.01-4.2GHz 5 Watts



IDC-BT-N IDC-BT-NC

IDC-BT-X-N Bias Tee provides both DC bias current and RF signal via bias network. The features include small size, light and flat frequency response, it is used in microwave measurement area such as amplifier, programmable attenuation and switch circuit etc.

MECHANICAL SPECIFICATIONS

Connectors	Male Pin	Female Pin	Housing	Temp Range	Dimensions	Weight
Brass Gold Plated	Brass Gold Plated	Beryllium Copper Gold Plated	Aluminum, Anodic Oxidation	-40°C~+65°C	N:74×50×20mm NC:74×40×20mm	N:95g NC:90g

RoHS Complient: Yes

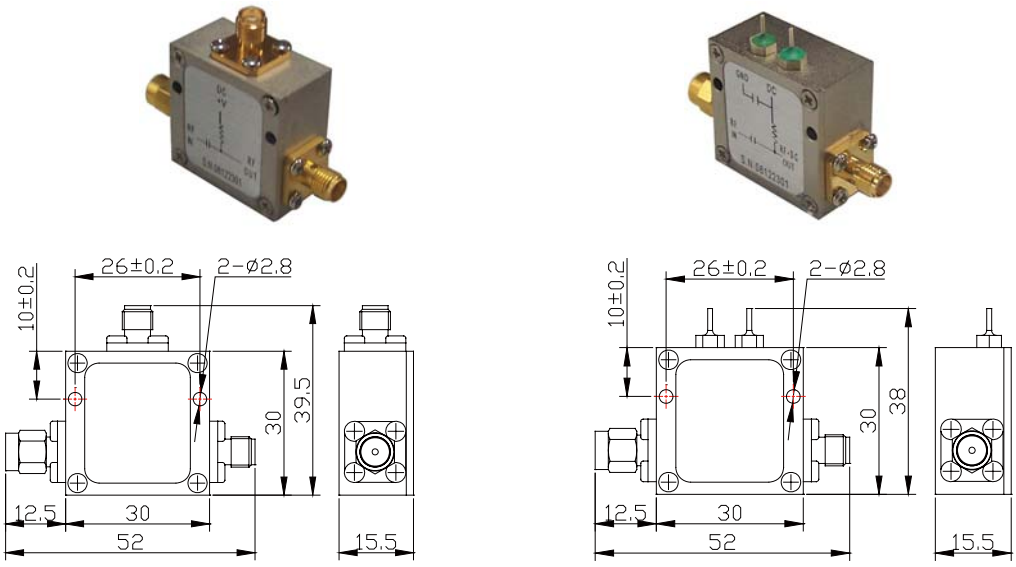
ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(GHz)	VSWR	Insertion Loss(dB)	Interface
IDC-BT-3-N	0.01-3	≤1.20	≤1.0	RF IN SMA(J) RF+DC OUT SMA(K) DC IN SMA(K)
IDC-BT-4.2-N	0.01-4.2	≤1.25	≤1.25	
IDC-BT-3-NC	0.01-3	≤1.20	≤1.0	RF IN SMA(J) RF+DC OUT SMA(K) DC IN (Capacitance)
IDC-BT-4.2-NC	0.01-4.2	≤1.25	≤1.25	

NOMINAL IMPEDANCE: 50Ω
RF POWER: ≤5W
BIAS VOLTAGE: ≤72V
BIAS CURRENT: ≤1.0A

Notes:
1. Dimensions Tolerance ±2%

Model IDC-BT-X-S 0.01-4.2GHz 5 Watts



IDC-BT-S IDC-BT-SC

IDC-BT-X-S Bias Tee provides both DC bias current and RF signal via bias network. The features include small size, light and flat frequency response, it is used in microwave measurement area such as amplifier, programmable attenuation and switch circuit etc.

MECHANICAL SPECIFICATIONS

Connectors	Male Pin	Female Pin	Housing	Temp Range	Dimensions	Weight
Brass Gold Plated	Brass Gold Plated	Beryllium Copper Gold Plated	Aluminum, Anodic Oxidation	-40°C~+65°C	S:52×39.5×15.5mm SC:52×38×15.5mm	S:45g SC:40g

RoHS Complient: Yes

ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range(GHz)	VSWR	Insertion Loss(dB)	Interface
SHX-BT-3-S	0.01-3	≤1.20	≤1.0	RF IN SMA(J) RF+DC OUT SMA(K) DC IN SMA(K)
SHX-BT-4.2-S	0.01-4.2	≤1.25	≤1.25	
SHX-BT-3-SC	0.01-3	≤1.20	≤1.0	RF IN SMA(J) RF+DC OUT SMA(K) DC IN (Capacitance)
SHX-BT-4.2-SC	0.01-4.2	≤1.25	≤1.25	

NOMINAL IMPEDANCE: 50Ω
RF POWER: ≤5W
BIAS VOLTAGE: ≤72V
BIAS CURRENT: ≤1.0A

Notes:
1. Dimensions Tolerance ±2%

Revision Date: 05-30-14