

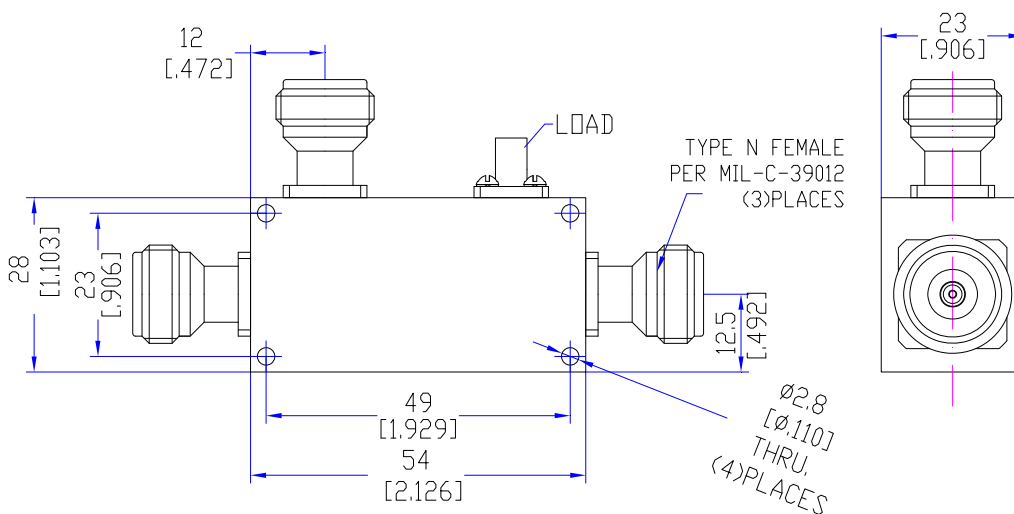
## Model TDC1618N30

### Features

Low VSWR  
High Directivity  
Broadband & Miniature Size

Technical Data Sheet			
Frequency Range	1.6~1.8GHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤0.4dB (Excl. Coupling Loss 0.01dB)	Connector Body	Passivated Stainless Steel
Coupling Factor	≤30±1dB	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Coupling Sensitivity	≤±0.7dB	Connector Pin	Beryllium Copper, Gold Plate
Directivity	≥20dB	Solder	Lead Free, RoHS Compliant
VSWR	Primary ≤1.20:1 Secondary ≤1.20:1	Operating Temperature	-55~+85°C
<sup>1</sup> Power Handling	Incident ≤50Watt; Reflected ≤2Watt	Operating Humidity	Up to 95%, Non- Condensing
Impedance	50Ω	Weight	150g
Port Connectors	N-Female		

<sup>1</sup>Power Handling guaranteed when load's VSWR within 1.50:1.

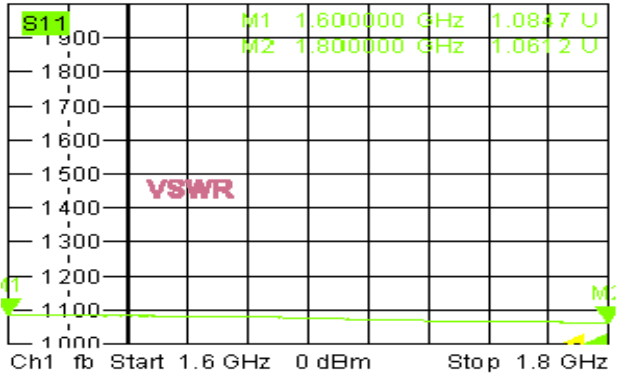


## Typical Performance

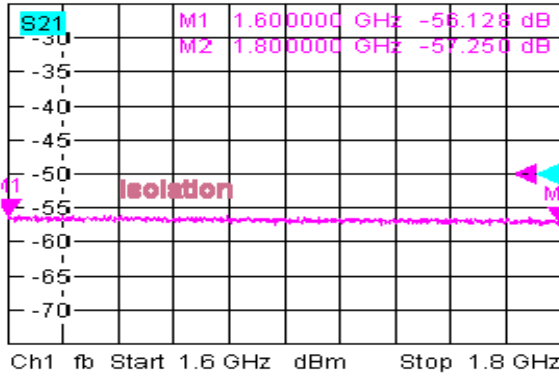
### 1. Coupling Factor & Sensitivity, Isolation, VSWR



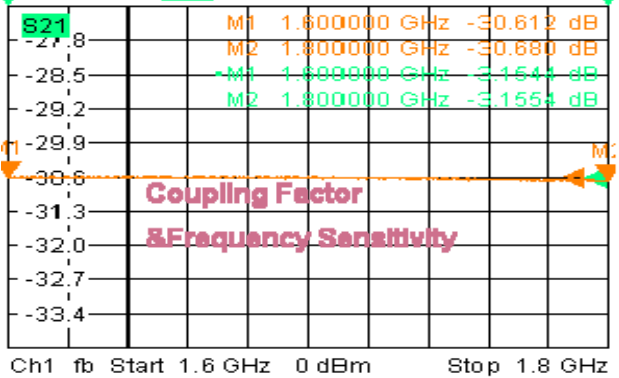
Trc1 Mem5[Trc1] S11 SWR 100 mU/ Ref1 U Cal int Invisib



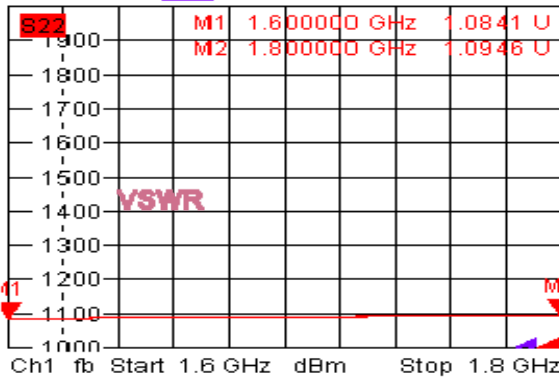
Trc2 Mem6[Trc2] S21 dB Mag 5 dB / Ref-50 dB



Trc3 Mem7[Trc3] S21 dB Mag 0.7 dB / Ref-30.6 dB



Trc4 Mem8[Trc4] S22 SWR 100 mU/ Ref1 U

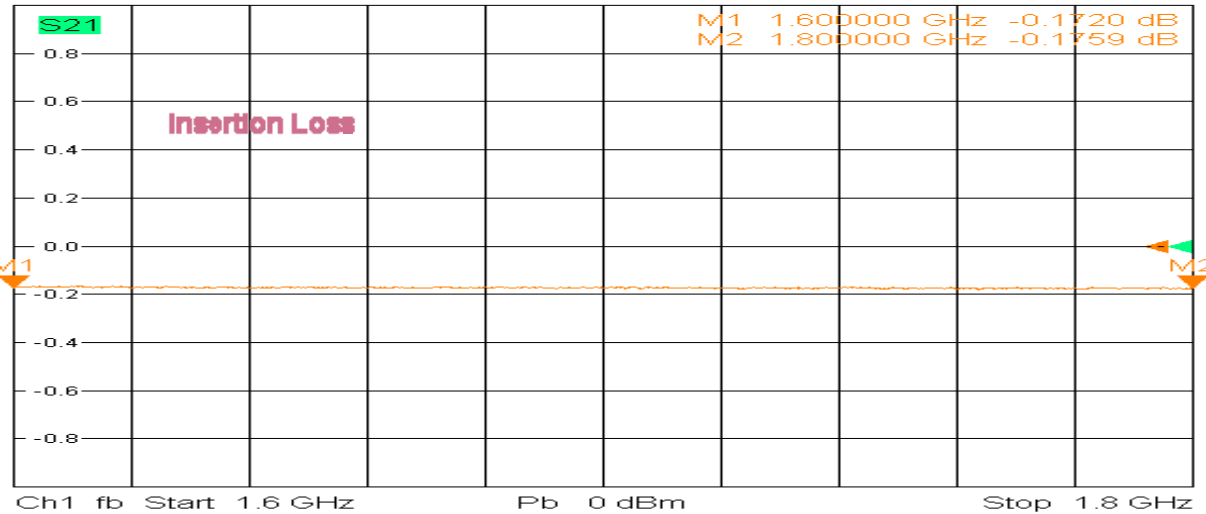


8/30/2018, 10:24 AM

### 2. Insertion Loss



Trc3 Mem7[Trc3] S21 dB Mag 0.2 dB / Ref 0 dB Cal int Invisible 3 (Max)



8/30/2018, 10:25 AM

