

**T4288- September 18, 2019**

Item # T4288 was discontinued on September 18, 2019. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

**ELECTRICAL ADAPTERS**

- ▶ BNC, SMA, SMC, Banana, and Microwave Cable Adapters
- ▶ Machined from the Highest Quality Materials
- ▶ 50 Ω Impedance



SMA Adapters  
5 Choices



SMC Adapters  
2 Choices



2.92 mm Adapters  
7 Choices



2.4 mm Adapters  
7 Choices



BNC Adapters  
7 Choices

[Hide Overview](#)

**OVERVIEW**

Thorlabs offers a variety of electrical adapters including five types of BNC adapters, four types of SMA adapters, two types of SMC adapters, and a BNC to binding post adapter as well as several BNC to SMC and SMA to BNC adapters. We also offer microwave cable adapters, BNC terminating brackets, and SMA DC blocking filters. All connectors on this page feature a 50 Ω impedance.

Calibrated torque wrenches are available to ensure that the proper mating torque is supplied when connecting two SMA, 2.92 mm, 2.4 mm, 1.85 mm, K, or V coaxial connectors.

Thorlabs also supplies 76-piece and 62-piece BNC and SMA electrical adapter kits.

Quick Links
<a href="#">BNC Adapters</a>
<a href="#">SMA Adapters</a>
<a href="#">SMC Adapters</a>
<a href="#">BNC to Binding Post Adapter</a>
<a href="#">BNC to SMC or SMA Adapters</a>
<a href="#">Microwave Cable Adapters</a>

[Hide BNC Adapters](#)

**BNC Adapters**

Thorlabs offers four types of BNC adapters in different configurations, as well as one BNC adapter with 6" test clips. We also offer two brackets with two BNC interfaces each; please note that the bracket is made of aluminum and the ground of both connectors is the same. These adapters feature a 50 Ω impedance.

Item #	T3283	T3285	T3533	T3534	T3788	BNCB1	BNCB2
Click Image to Enlarge							

							
Description	BNC Straight, Female to Female	BNC T, Female to Male to Female	BNC Straight, Male to Male	BNC Elbow, Male to Female	Female BNC to Test Clips	BNC Bracket, Female to Termination	BNC Bracket, Female to Female

Part Number	Description	Price	Availability
T3283	BNC Adapter - Straight Adapter (F-F)	\$7.52	Today
T3285	BNC Adapter - T Adapter (F-M-F)	\$10.50	Today
T3533	BNC Adapter - Straight Adapter (M-M)	\$14.07	Today
T3534	BNC Adapter - Elbow Adapter (M-F)	\$16.88	Today
T3788	BNC Adapters - BNC To Test Clips	\$13.19	Today
BNCB1	BNC Bracket, Terminating	\$19.91	Today
BNCB2	BNC Bracket, Pass-Through	\$20.99	Today

[Hide SMA Adapters](#)

### SMA Adapters

Thorlabs offers four types of SMA adapters and a wide-bandwidth DC blocking filter incorporated directly into an SMA feedthrough connector. The DC blocking filter is used for applications where a DC offset is problematic, and it has a frequency range of DC to 26.5 GHz. The insertion loss is less than 0.8 dB. These adapters feature a 50  $\Omega$  impedance.

Item #	T4285	T4283	T4286	T4282	T8535
Click Image to Enlarge					
Description	SMA Straight Female to Female	SMA Straight Male to Male	SMA Straight Male to Female	SMA Elbow Male to Female	SMA DC Blocking Filter

Part Number	Description	Price	Availability
T4285	SMA Adapter - Straight (F/F)	\$25.65	Today
T4283	SMA Adapter - Straight (M/M)	\$19.81	Today
T4286	Customer Inspired!&nbsp;Straight Male to Female SMA Adapter	\$13.64	Today
T4282	SMA Adapter - Elbow (M/F)	\$16.88	Today
T8535	SMA DC Blocking Filter, 7kHz to 23GHz	\$107.13	5-8 Days

[Hide SMC Adapters](#)

### SMC Adapters

Thorlabs offers two types of SMC adapters: female to female, and male to male. Both allow interfaces of the same type to be connected. These high-grade, durable adapters have gold-plated brass bodies, gold-plated beryllium copper centers, and PTFE insulators. These adapters feature a 50  $\Omega$  impedance.

Item #	T5025	T5026
Click Image to Enlarge		

		
Description	SMC Female to Female	SMC Male to Male

Part Number	Description	Price	Availability
T5025	Straight Female to Female SMC Adapter	\$13.64	Today
T5026	Straight Male to Male SMC Adapter	\$13.64	Today

[Hide BNC to Binding Post Adapter](#)

### BNC to Binding Post Adapter

Thorlabs offers a BNC adapter with binding post connectors. This adapter features a 50 Ω impedance.

Item #	T1452
Click Image to Enlarge	
Description	BNC Female to Binding Post

Part Number	Description	Price	Availability
T1452	BNC Female to Binding Post Adapter	\$16.77	Today

[Hide BNC to SMC & SMA to BNC Adapters](#)

### BNC to SMC & SMA to BNC Adapters

Thorlabs offers four types of SMA to BNC adapters, which provides compatibility between any SMA connector and BNC connector. We also offer male-to-male and female-to-female adapters for BNC and SMC cables. These adapters feature a 50 Ω impedance.

Item #	T4291	T4290	T4289	T4288	MDC40211	T4292
Click Image to Enlarge						
Description	SMA Female to BNC Female	SMA Male to BNC Female	SMA Female to BNC Male	SMA Male to BNC Male	SMC Male to BNC Male	SMC Female to BNC Female

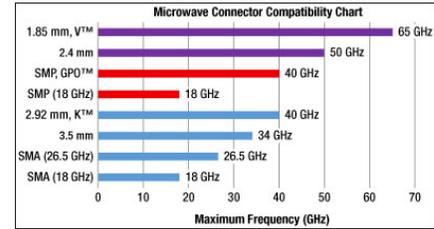
Part Number	Description	Price	Availability
T4291	SMA Female to BNC Female Adapter	\$12.88	Today
T4290	SMA Male to BNC Female Adapter	\$14.07	Today
T4289	SMA Female to BNC Male Adapter	\$14.07	Today
T4288	SMA Male to BNC Male Adapter	\$15.69	Today
MDC40211	SMC Male to BNC Male Adapter	\$32.20	Today
T4292	SMC Female to BNC Female Adapter	\$61.68	Today

## Microwave Cable Adapters

These microwave cable adapters are designed to change the gender or connector type of microwave cables and connectors. They include in-series adapters (F-F, F-M, M-F) for 2.92 mm and 2.4 mm, as well as between-series adapters for all gender combinations of 2.92 mm and 2.4 mm mm cables.

These adapters feature a 50 Ω impedance. For detailed specifications, including interconnector compatibility, please see the full web presentation for our Microwave Cables.

Calibrated torque wrenches are available to ensure that the proper mating torque is supplied when using these adapters.



[Click for Details](#)

This chart summarizes the maximum frequency and cross-compatibility of the microwave cable connectors used by our adapters. Please refer to the *Compatibility* tab of our full web presentation for microwave cables for details.

Item #	TFKF	TFKM	TMKF	TMKM
<b>Adapter Type</b>	<b>2.4 mm to 2.92 mm</b>			
Click Image to Enlarge				
Description	2.4 mm Female to 2.92 mm Female	2.4 mm Female to 2.92 mm Male	2.4 mm Male to 2.92 mm Female	2.4 mm Male to 2.92 mm Male

Item #	KFF	KMF	KMM	TFF	TMF	TMM
<b>Adapter Type</b>	<b>2.92 mm</b>			<b>2.4 mm</b>		
Click Image to Enlarge						
Description	2.92 mm Female to 2.92 mm Female	2.92 mm Male to 2.92 mm Female	2.92 mm Male to 2.92 mm Male	2.4 mm Female to 2.4 mm Female	2.4 mm Male to 2.4 mm Female	2.4 mm Male to 2.4 mm Male

Part Number	Description	Price	Availability
TFKF	Microwave Cable Adapter, 2.4 mm Female to 2.92 mm Female	\$138.51	Today
TFKM	Microwave Cable Adapter, 2.4 mm Female to 2.92 mm Male	\$138.51	Today
TMKF	Microwave Cable Adapter, 2.4 mm Male to 2.92 mm Female	\$138.51	Today
TMKM	Microwave Cable Adapter, 2.4 mm Male to 2.92 mm Male	\$138.51	Today
KFF	Microwave Cable Adapter, 2.92 mm Female to 2.92 mm Female	\$82.78	Today
KMF	Microwave Cable Adapter, 2.92 mm Male to 2.92 mm Female	\$82.78	Today
KMM	Microwave Cable Adapter, 2.92 mm Male to 2.92 mm Male	\$82.78	Today
TFF	Microwave Cable Adapter, 2.4 mm Female to 2.4 mm Female	\$165.56	Today
TMF	Microwave Cable Adapter, 2.4 mm Male to 2.4 mm Female	\$165.56	Today
TMM	Microwave Cable Adapter, 2.4 mm Male to 2.4 mm Male	\$165.56	Today

