

Common Connector Descriptions and Maximum Frequencies

Connector Styles	Description	Frequency
UHF	Low frequency. Used in Amateur radio/CB radio etc	300 MHz
TRB (BNC Triax)	Used on applications where RF shielding and minimum noise radiation are required. Based on BNC connector	500MHz
TRT (TNC TRIAX)	Used on applications where RF shielding and minimum noise radiation are required. Based on TNC connector	500MHz
F	Low cost connector commonly used in TV applications.	1 GHz
BNC	Commonly used low cost connector. Uses bayonet fixing mechanism.	4 GHz
HN	High voltage version of N connectors	4 GHz
SMB	Subminiature snap-on connector (50ohm or 75 ohm)	4 GHz
MCX	Subminiature snap-on connector. Internal line size same as SMB but overall 30% smaller.	6 GHz
ABMS	New Connector interface designed by Intelliconnect. Based on MCX but much sturdier, better continuity and special termination method for small diameter cables	6 GHz
MMCX	Micro miniature connector	6 GHz
7/16	Used on high power communications systems. Eg Base Stations.	7.5 GHz
C	Durable internal bayonet connector. Quick connect/disconnect.	8 Ghz
SMC	Subminiature threaded connector	10 Ghz
SC	Screwfit version of C connector	11 Ghz
N	Durable threaded connector available in brass or stainless steel. (50ohm or 75 ohm)	11 Ghz
TNC	Threaded version of BNC connector. Can be used at much higher frequencies.	11 Ghz
BMA	Blind mate connector. Designed for both fixed and floating configurations.	18 Ghz
Precision N	N connector with enhanced features allowing performance to 18GHz.	18 Ghz
Precision TNC	TNC connector with enhanced features allowing performance to 18GHz.	18 Ghz
7mm (APC-7)	High precision genderless connector. Low VSWR	18 Ghz
SMA	Commonly used microwave connector. Generally specified to 18Ghz but some designs can work to 25Ghz. Available in brass and Stainless Steel.	18 Ghz
3.5 mm	Precision connector with air dielectric. Mates with SMA	26.5GHz
SSMA	Microminiature version of SMA connector.	40GHz
2.9mm (K-type)	Precision connector with air dielectric. Mates with SMA and 3.5mm	40GHz
2.4 mm	Precision connector with air dielectric. Mates with 1.85mm.	50Ghz
1.85 mm	Precision connector with air dielectric. Mates with 2.4mm.	60GHz
1mm	Ultra high precision connector.	110GHz