

## GENERAL NOTES: RF CONNECTORS

### CD 0015

#### Recommended Coupling Nut Torque:

Series	Material	Recommended Torque
SMA	BRASS	0.34 - 0.57 Nm
SMA	STAINLESS STEEL	0.8 - 1.13 Nm
SMC	BRASS	0.21 - 0.35 Nm
TNC	BRASS	0.46 - 0.69 Nm
TNC	STAINLESS STEEL	1.4 - 1.7 Nm
N Type	BRASS	0.7 - 1.1 Nm
N Type	STAINLESS STEEL	1.4 - 1.7 Nm
7/16	BRASS	25 - 30 Nm

#### Recommended Mounting Nut Torque:

Series	HEX A/F	Material	Recommended Torque
SMA	8mm/11mm	STAINLESS STEEL	1.35 - 1.7 Nm
SMA	8mm	BRASS	0.9 - 1.1 Nm
SMB	6mm	BRASS	0.34 - 0.57 Nm
SMC	6mm	BRASS	0.34 - 0.57 Nm
TNC	16mm	STAINLESS STEEL & BRASS	4.0 - 4.5 Nm
TNC	14mm	STAINLESS STEEL & BRASS	2.5 - 2.8 Nm
N TYPE	19mm / 21mm	STAINLESS STEEL	4.5 - 5.0 Nm
N TYPE	19mm / 21mm	BRASS	4.0 - 4.5 Nm
BNC	16mm	STAINLESS STEEL & BRASS	4.0 - 4.5 Nm
BNC	14mm	STAINLESS STEEL & BRASS	2.5 - 2.8 Nm
Micro BNC	6mm/7.5mm	BRASS	0.34 - 0.57 Nm

#### Recommendations:

- Normal Storage temperature range: -40°C to +75°C. Humidity: 85% or less.
- Always install protective end caps when connectors are not in use.
- Never store a connector loose in a box. This is one of the most common causes of connector damage.
- Never place a connector contact-end down on to any hard surface. The mating face, contact or their plating can become damaged.
- Do not touch the mating face or contact surfaces of the connector. Natural oils present in skin along with microscopic particles and other contaminants can degrade performance and be difficult to remove.
- To protect devices from electrostatic discharge (ESD), always wear a suitably grounded wrist strap and work on a grounded, conductive table mat.
- We recommend that solder products that have had a storage period should be tested for solderability before use.
- Always assemble connector using the procedures, stripping dimensions and correct tooling specified in the connectors datasheet.
- When mating and un-mating, connector mating surfaces should not be rotated. The connectors axes should be aligned, to ensure the male centre pin slips concentrically into the centre female contact. (If this is not done serious damage may result). Ensure as they are mated, the connectors engage smoothly. Keeping the connectors steady, initially tighten the coupling nut by hand and complete with a suitable torque wrench. Always preventing connector rotation.