

BOX FEEDS

TMC Design offers a variety ground and flight based box feeds for use with dish antennas or as gain standards. All feeds are built to be electrically superior and allow for any desired polarization. A custom model can be made to suit.

POLARIZATION

Box feeds can be built to operate with linear (horizontal/vertical) and circular (RHCP/LHCP) polarization.

HIGH POWER

To increase range and improve reception, most TMC Design antennas can be modified operate in high-power applications. *Note that power and RF connector characteristics are closely associated. Certain power requirements often determine the RF connector that is of the box feed.*

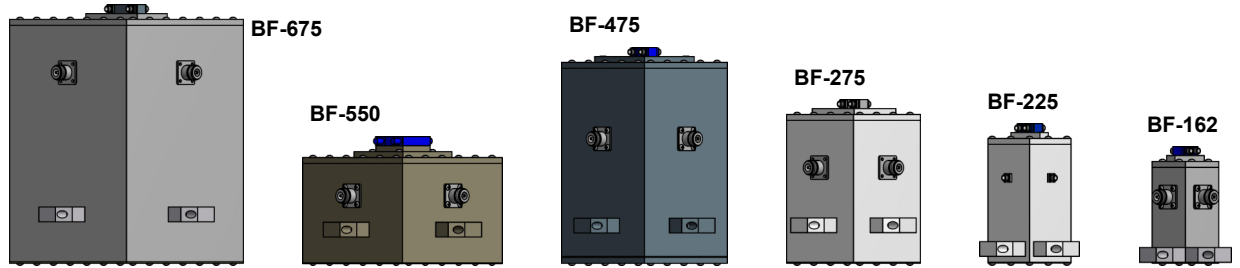
RF CONNECTOR

All box feeds can be modified to include the RF connector that best fits your application. *Note that changes to the mating end can affect final power handling capabilities of the box feed.*

COLOR



A variety of paint options are available to fulfill your coating requirements. Federal Standard 595B colors, Chemical Agent Resistant Coating (CARC) or spot color schemes are available. Contact a TMC Design representative to specify coating options (*most popular colors shown above*).



BOX FEED (BF)	OPERATING FREQUENCY (GHZ)	BEAMWIDTH (DEGREES)	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LBS)
675	1.12 to 1.70	148°	7	7	10	7.2
550	1.4 to 2.0	148°	6	6	10	5.3
475	1.6 to 2.4	148°	5	5	8	4.3
375	2.1 to 3.0	148°	4	4	6	3.6
275	2.9 to 4.0	148°	3	3	6	2.92
225	3.5 to 5.0	148°	2.5	2.5	5	2.33
175	4.5 to 6.5	148°	2	2	4	2.27
162	4.94 to 7.00	148°	2	2	4	2.25
150	5.2 to 7.5	148°	1.75	1.75	3	1.15
125	6.5 to 8.9	148°	1.5	1.5	3	1.89
100	7.6 to 11.5	148°	1.25	1.25	3	1.65
075	10.2 to 15.0	148°	1	1	3	1.45
062	12.4 to 18.0	148°	1	1	3	1.45



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