



## 7.750 - 8.500 MHz High Performance QuickFire Series

Designed to deliver performance for decades

### Features:

- 7.750 – 8.500 GHz Band
- Solids & High Performance models.
- Single & Dual Polarized models.
- mWAVE – Gabriel “Best In Class” Quality and Dependability .
- Type “N” Female connector, 50 ohm.
- QuickFire™ feeds allow for easy installation and inspection.
- mWAVE – Gabriel antennas meet or exceed Standard ANSI/TIA-222.
- Antenna Survival Ratings: 1 inch (25mm) of ice and 125 mph (201 kmh) wind. (Severe Environment models available)
- Antenna Mount Types:  
2-ft (0.6m) mates to a 1.9 - 4.5 in. O.D. (60 - 115 mm) (4 in. IPS)  
4-ft (1.2m) - 6-ft (1.8m) mate to a 4.5 in. (115 mm) O.D. (4 in. IPS)
- All mWAVE – Gabriel and Mark Grid Series antennas meet or exceed Standard ANSI/TIA-222.



The extremely popular Gabriel QuickFire antenna series are available in a wide array of frequency bands, types and sizes.

These antenna models are designed to deliver decades of un-interrupted performance.

## Electrical Specifications

Frequency MHz	Model No.	Pol.	Size		Mnt. (1)	Gain, nominal dBi			HPBW Deg.	XPD dB	F/B dB	VSWR max	R.L. dB
			ft.	m.		Low	Mid	High					
<b>High Performance – Single Polarized – Type N Input</b>													
7.750 – 8.500	HQF2L-77-N	LP	2	0.6	QAM	31.4	31.8	32.2	3.8	25	50	1.20:1	20.8
7.750 – 8.500	HQF4L-77-N	LP	4	1.2	SM	37.0	37.4	37.8	2.0	30	64	1.20:1	20.8
7.750 – 8.500	HQF6L-77-N	LP	6	1.8	SM	40.6	41.0	41.4	1.4	30	66	1.20:1	20.8
<b>High Performance – Dual Polarized – Type N Input</b>													
7.750 – 8.500	HQFD2L-77-N	LP	2	0.6	QAM	31.3	31.7	32.1	3.8	25	50	1.25:1	19.1
7.750 – 8.500	HQFD4L-77-N	LP	4	1.2	SM	36.9	37.3	37.7	2.0	30	64	1.25:1	19.1
7.750 – 8.500	HQFD6L-77-N	LP	6	1.8	SM	40.5	40.9	41.3	1.4	30	66	1.25:1	19.1

Notes: \* Optional input connectors available.

(1) QAM = Quick Align Mount

(1) SM = Standard Mount

QuickFire™ and Quick Align Mount™ are trademarks of mWAVE Industries LLC - Gabriel Antennas.

Contact mWAVE for larger diameter models..

Designed, Engineered, and Manufactured in Windham, ME USA  
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