



RADIO FREQUENCY INDUSTRIES (PTY.) LTD.

"Simply The Best"

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1450

BAND REJECT DUPLEXER COVERING 66 TO 470MHz. (With 18 different models)

DUPLEXER	SPECIFICATION
MIN. ISOLATION (SEPERATION)	≥70dB To 82dB
MAX. VSWR (RETURN LOSS)	≤1.5:1 VSWR
TUNABLE BAND-WIDTH	3.5, 5, 7 & 10MHz.
MAX. POWER @ 50% DUTY CYCLE	50 WATT
MAX. POWER @ 70% DUTY CYCLE	30 WATT
MAX. POWER @ 100% DUTY CYCLE	25 WATT
OPERATING TEMPERATURE	-10° To +60° C
CONNECTORS FITTED	3 X N-TYPE FEMALE
PRODUCT HEIGHT	35mm
PRODUCT WIDTH	155mm
PRODUCT LENGTH	220mm
PACKED SIZE (H X W X L)	50 X 160 X 255mm
PACKED WEIGHT	1.2Kg.

The RFi "Band Reject Duplexer" is constructed using 6 cavity resonators.

Both high and low frequencies are combined into one (Antenna) Port.

"N" Type female connectors are used to achieve best results.

Insertion losses are minimal and isolation (rejection) and match (return loss) are excellent and tuneable across the sub band and normally far exceed specified values.

No PC board or unnecessasary electronics are used to achieve these results. Therefore allows the unit to be much more stable and reliable. All matching is done with cables cut to required frequency band.

DUPLEXER SUB BANDS & CODES	INSERTION LOSS
DU66-3 (66 To 77MHz.)	≤1.5dB
DU66-5 (66 To 77MHz.)	≤1.2dB
DU77-3 (77 To 88MHz.)	≤1.5dB
DU77-5 (77 To 88MHz.)	≤1.2dB
DU136-3 (136 To 148MHz.)	≤1.5dB
DU136-5 (136 To 148MHz.)	≤1.2dB
DU136-7 (136 To 148MHz.)	≤1.2dB
DU140-3 (140 To 157MHz.)	≤1.5dB
DU140-5 (140 To 157MHz.)	≤1.2dB
DU140-7 (140 To 157MHz.)	≤1.2dB
DU150-3 (150 To 165MHz.)	≤1.5dB
DU150-5 (150 To 165MHz.)	≤1.2dB
DU150-7 (150 To 165MHz.)	≤1.2dB
DU160-3 (157 To 174MHz.)	≤1.5dB
DU160-5 (157 To 174MHz.)	≤1.2dB
DU160-7 (157 To 174MHz.)	≤1.2dB
DU400-5 (400 To 470MHz.)	≤1.5dB
DU400-10 (400 To 470MHz.)	≤1.2dB



Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.
Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.