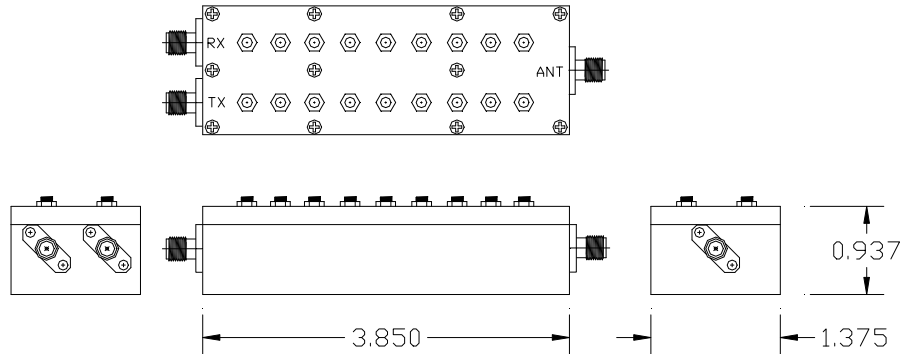




S-BAND Diplexer

P/N MSS-11-2524/2620-48



TRANSMIT INPUT TO ANTENNA OUTPUT			
PARAMETER	SYMBOL	SPECIFICATION VALUE / LIMIT	COMMENTS
Center Frequency	Fc	2524 MHz	(Ref.)
Lower Pass Frequency	Fl	2500 MHz	1 dB relative to I.L.
Upper Pass Frequency	Fh	2548 MHz	1 dB relative to I.L.
Band Width, 1dB	BW	48 MHz	Minimum
Insertion Loss	I.L.	2.5 dB	Maximum from Fl to Fh
Impedance	Z	50 Ohms	
Group Delay	GD	25 Nanoseconds	Over any 6 MHz Bandwidth

ANTENNA INPUT TO RECEIVE OUTPUT			
PARAMETER	SYMBOL	SPECIFICATION VALUE / LIMIT	COMMENTS
Center Frequency	Fc	2620 MHz	(Ref.)
Lower Pass Frequency	Fl	2596 MHz	1 dB relative to I.L.
Upper Pass Frequency	Fh	2644 MHz	1 dB relative to I.L.
Band Width, 1dB	BW	48 MHz	Minimum
Pass Band Ripple	R	1.0 dB	Maximum
Insertion Loss	I.L.	1.5 dB (GOAL)	Maximum from Fl to Fh
Impedance	Z	50 Ohms	
Group Delay	GD	25 Nanoseconds	Over any 6 MHz Bandwidth



S-BAND Diplexer

P/N AUI-11-2524/2620-48

(Continued)

FILTER REJECTION REQUIREMENTS			
PORT TO PORT	SYMBOL	FREQUENCY LIMIT	REJECTION, MINIMUM RELATIVE TO PASS BAND I.L.
Transmit to Antenna	Fs (Low)	50 MHz to 2128 MHz	40 dB
Transmit to Antenna	Fs (Low)	2400 MHz	20 dB
Transmit to Antenna	Pass Band	2500 MHz to 2548 MHz	Reference:
Transmit to Antenna	Fs (High)	2596 MHz to 2644 MHz	40 dB
Transmit to Antenna	Fs (High)	3000 MHz to 4000 MHz	40 dB
Transmit to Antenna	Fs (High)	4000 MHz to 5400 MHz	30 dB
Antenna to Receive	Fs (Low)	50 MHz to 2204 MHz	40 dB
Antenna to Receive	Fs (Low)	2500 MHz to 2548 MHz	40 dB
Antenna to Receive	Pass Band	2596 MHz to 2644 MHz	Reference:
Antenna to Receive	Fs (Low)	2744 MHz	20 dB
Antenna to Receive	Fs (High)	3000 MHz to 4000 MHz	40 dB
Antenna to Receive	Fs (High)	4000 MHz to 5400 MHz	30 dB
Transmit to Receive		2500 MHz to 2548 MHz	40 dB
Transmit to Receive		2596 MHz to 2644 MHz	40 dB