



Model Number L5446 IFF Diplexer/Coupler

Rev A
2/2/06



NSN #

-1 Configuration

5985-00-360-6529

-2 Configuration

5895-01-003-1685

Dash numbers have mirror image
outline configurations

Features:

- High Power TX Path
- Monitor ports

Applications:

- IFF

Package size:

- 0.88 x 2.29 x 2.31"

(Please see outline for exact dimensions)

Specifications	Tx Frequency	Rx Frequency
Passband Frequency	1090 ± 0.5 MHz	1030 MHz
6 dB Bandwidth	-	±3.5 dB min ±4.5 dB Max
Insertion Loss	0.5 dB Maximum	7.0 dB Maximum
Attenuation @ +/-3 MHz		Points must be within 1.0 dB of each other.
Passband Ripple (within the 6dB Bandwidth)		1.0 dB
VSWR TX and RX Ports	1.25:1 Maximum	1.30:1 Maximum
VSWR ANT Port	1.25:1 Maximum	1.35:1 Maximum
Rejection	10 dB @ 1030 ± 3.5 MHz	
Rejection	20 dB @ 1030 ± 0.2 MHz	
Rejection (Tx and Rx)	50 dB @ 2180 & 3270 MHz 20 dB from 2000 to 10,000 MHz	
60 dB Bandwidth		1030 +/-25 Mz
Coupler VSWR	1.25:1 Maximum	
Coupler Incident Loss	41 +/-0.75 dB	
Coupler Incident Directivity Loss	25 dB Min	
Coupler Reflected Loss	C.I.L. +/- 0.4 dB)	
Coupler Directivity Loss	18 dB Minimum	
Power Handling	750 Watts Peak (2% Duty Cycle)	1.0 Watts Average



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