



# Model Number S5948 Diplexer / Amplifier

Rev -  
3/8/05



**Features:**

- Low Loss
- Cavity Design

**Applications:**

- Satcom

**Package size:**

- 1.5 x 5.0 x 13.75”

(Please see outline for exact dimensions)

<b>Specifications:</b>	Channel 1	Channel 2
(+25C)		
Passband	1750 - 1850 MHz	2200 - 2300 MHz
Insertion Loss	0.3 dB	
Noise Figure		1.25 dB
Gain		43 +/- 1 dB
3 <sup>rd</sup> Order Intercept		+ 5 dBm
VSWR	1.2:1	1.5:1
Rejection	120 dB from 2200 - 2300 MHz	140 dB from 1750 - 1850 MHz
Power Handling	400 Watts	
Operating Temperature	+10 to +35C	
DC Power		15 VDC @ 100 mA
Connectors (ANT 7/8 EIA)	“N” Female	SMA Female



**Delta Microwave**

1301 Vanguard Dr.  
Oxnard, CA. 93033

Phone: 805.240.1044  
Fax: 805.240.9544

email: sales@deltamicrowave.com  
www.deltamicrowave.com

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