

TRANSMIT PERFORMANCE

Frequency Range	292 to 318 MHz
Input / Output Impedance	50 Ω
Maximum Insertion Loss	-5.5 dB (Over frequency, at room temperature)
Maximum Input and Output VSWR	1.5:1
Output IP3	60 dBW
Channel to Channel Isolation	50 dB
Reverse Isolation	30 dB
Coupling/Main Output Ratio	50 dB
Power Handling	250 Watts min (per channel)
Max Survivable Input	500 Watts min (on each port)
Filter Response DC - 270 MHz	80 dB min
Filter Response 340 - 1000 MHz	90 dB min

RECEIVE PERFORMANCE

Frequency Range	243 to 270 MHz
Input / Output Impedance	50 Ω
Maximum Insertion Loss (post LNA)	-6.5 dB (Over frequency, at room temperature)
Maximum Input and Output VSWR	1.5:1
Output P1dB	+5 dBm
Max Survivable Input	1 Watt min
Max DC Handling Capability	At least 1 A
Max DC Voltage	At least +40 V
Max DC Resistance to RF port	1 Ω
Filter Response \leq 205 MHz	60 dB min
Filter Response 205 – 221 MHz	40 dB min
Filter Response 221 – 232 MHz	20 dB min
Filter Response 280 – 287 MHz	20 dB min
Filter Response 287 – 299 MHz	40 dB min
Filter Response \geq 299 MHz	60 dB min

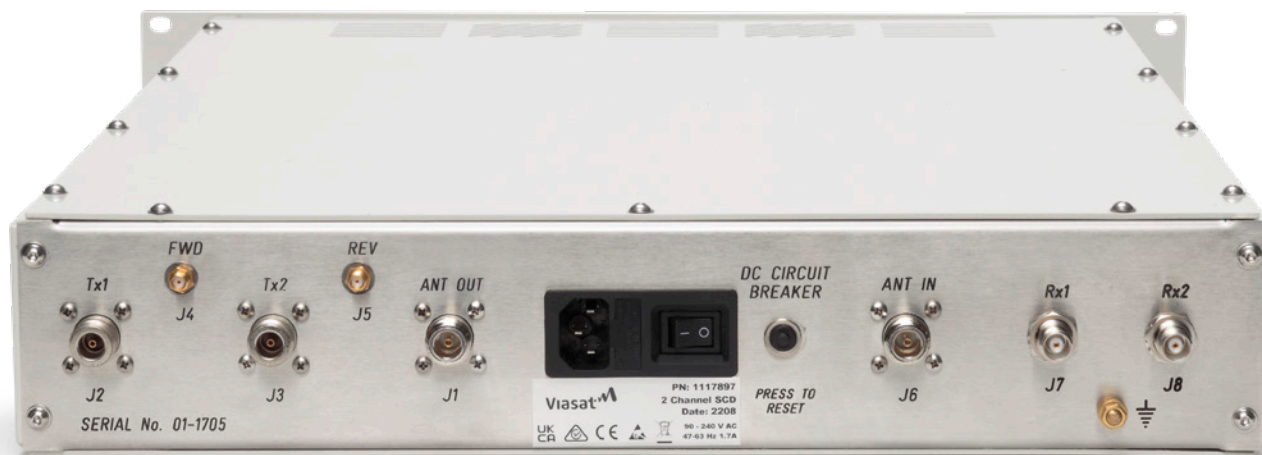
SPLITTER COMBINER DRAWER AT-A-GLANCE

- » 2:1 Channel Splitter / Combiner
- » Transmit Freq. Range: 292 - 318 MHz
- » Receive Freq. Range: 243 - 270 MHz
- » 250 Watts per Transmit Channel
- » 2U 19 in. Rack Mount
- » CE and UKCA Compliant
- » REACH and RoHS Compliant

Ordering Information

PN 1117897 Splitter Combiner Drawer

Viasat Splitter Combiner Drawer



REAR PANEL CONNECTIONS

Function	Connector Label	Type
AC Power Input	-- (Not labeled on unit)	IEC 60320 receptacle (C14) 90 VAC to 240 VAC, 47 to 63 Hz
TX Input 1	J2 Tx1	N female
TX Input 2	J3 Tx2	N female
TX Output	J1 ANT OUT	N female
TX MON FWD	J4 FWD	SMA female
TX MON REFLT	J5 REV	SMA female
RX Input	J6 ANT IN	N female
RX Output 1	J7 Rx1	TNC female
RX Output 2	J8 Rx2	TNC female

PHYSICAL CHARACTERISTICS

Height	2 Rack Units (3.4 in.)
Width	Standard 19-in. rack
Depth	24.4 in.
Weight	42 lbs. (19 kg)

ENVIRONMENTAL / COMPLIANCE

Operating Temperature	-10°C to +55°C
Storage Temperature	-40°C to +85°C
Cooling	Convection cooling, with adequate ventilation spacing provided above and below
CE/UKCA Compliance	Meets all applicable standards for Information and Communication Technology Equipment
REACH/RoHS Compliance	Meets all applicable EU Directives and EU regulations for hazardous substances

CONTACT

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