

				B	515117800
				REVISIONS	
				A	10/30/06 ER# 1785 TL
NOTES: 1. VENDOR: CHIT SHUN 2. TIN PLATED ZINC DIE CAST HOUSING WITH CORROSION PROTECTION. 3. SOLDERBACK STYLE, COVERS COMPLETELY SEAM SOLDER WITH -120dB RFL. 4. ALL CONNECTORS: F-TYPE FEMALE. COVERED WITH A BLUE PROTECTIVE CAP. 5. EACH UNIT TO BE SUPPLIED IN A TRANSPARENT PLASTIC BAG. 6. UNITS TO BE LABELED WITH BLONDER-TONGUE LOGO, MODEL NO. AND STOCK NO. 7. UNITS TO BE PACKAGED IN A CARTON TO PREVENT DAMAGE DURING SHIPPING. 8. MASTER PACK AND MULTI-PACK CARTONS TO SHOW MODEL NO., STOCK NO. AND QUANTITY. EACH CARTON SHALL ALSO HAVE A BAR CODE LABEL USING 3 OF 9 FORMATTING.					
INSERTION LOSS	5 - 40MHZ	14	QA	15	
	40 - 400MHZ	14		15.5	
	400 - 500MHZ	14.5		15.5	
	500 - 600MHZ	15.5		16.5	
ISOLATION	600 - 1000MHZ	15.5		16.5	
	5 - 40MHZ	23		20	
	40 - 400MHZ	28		25	
	400 - 500MHZ	25		22	
RETURN LOSS INPUT	500 - 600MHZ	22		20	
	600 - 1000MHZ	22		20	
	5 - 40MHZ	18		16	
	40 - 400MHZ	18		16	
	400 - 500MHZ	18		16	
	500 - 600MHZ	18		16	
RETURN LOSS OUTPUT	600 - 1000MHZ	18		16	
	5 - 40MHZ	18		16	
	40 - 400MHZ	22		18	
	400 - 500MHZ	22		18	
	500 - 600MHZ	20		16	
	600 - 1000MHZ	18		16	

ITEM PART NO. 5151178A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCE:

DEC. ANG. ±1'

.XX = ±.015

.XXX = ±.005

DESCRIPTION: BLONDER TONGUE LABORATORIES INC. OLD BRIDGE, NEW JERSEY 08857

SCALE: 1:1

DO NOT SCALE DIMS.

COMPUTER CODE

STK. NO. 1939

QTY.

REMARKS

DWG. NO. B 515117800 A



5-1000MHz SPLITTERS-130dB RFI

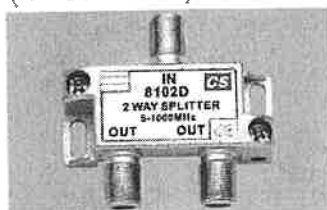
LOCAL MKT (CANA)

NEW

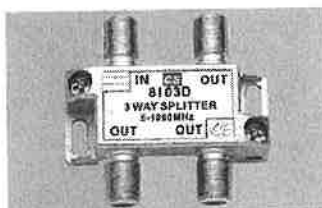
Features

- ▶ Zinc Die-cast Housing with corrosion protection;
- ▶ High precision machine threaded F-ports;
- ▶ Glass PCB micro strip design and HI-Q capacitors for consistency in specifications and excellent high frequency characteristics;
- ▶ Voltage blocking capacitors on all ports, improve hum modulation and inter-modulation specifications, and protect against spikes and ferrite saturation due to high level upstream signals.
- ▶ Tin or Nickel plated, zinc die-cast housings for perfect corrosion protection and grounding.
- ▶ Tongue & groove housing design, solder back provides high RFI shielding for-130dB
- ▶ F-ports spaced 1 inch centre to centre to accommodate security sleeves and tools.

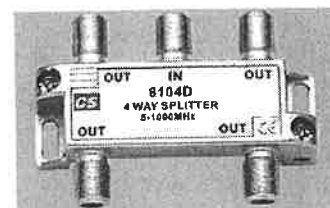
(D SERIES)



8102D



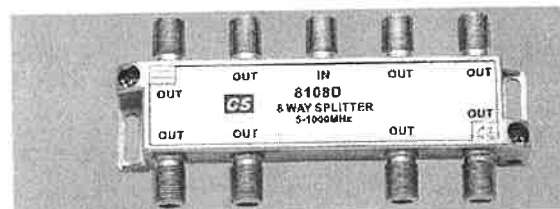
8103D (8003DB)



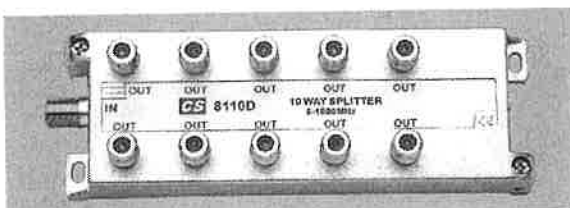
8104D



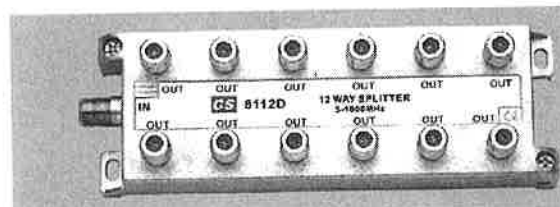
8106D



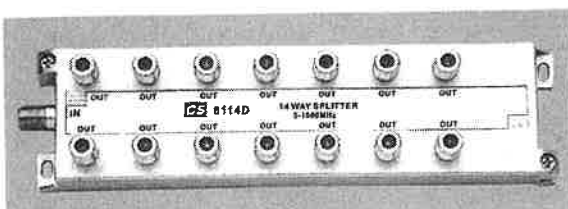
8108D



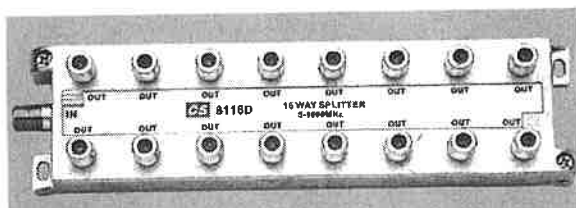
8110D



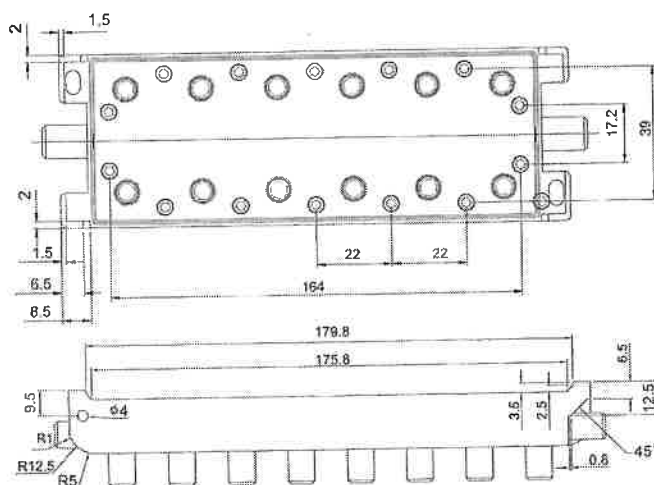
8112D



8114D



8116D



CHIT SHUN METAL ELECTRONIC CO.

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*Specifications are subject to change without notice.

5-1000MHz SPLITTERS-130dB RFI



Specifications:

Parameter	Frequency (MHz)	2-WAY		3-WAY/B		3-WAY		4-WAY		6-WAY	
		Typ	QA	Typ	QA	Typ	QA	Typ	QA	Typ	QA
Insertion Loss IN-OUT (dB Max.)	5-40	3.2	3.4	5.3	5.5	3.2/6.8	3.6/6.9	6.7	6.9	9.1	10.2
	40-400	3.2	3.4	5.5	5.6	3.2/6.8	3.7/7.3	6.9	7.3	9.5	10.2
	400-500	3.3	3.6	5.8	6.1	3.3/6.9	3.9/7.2	7.2	7.5	9.9	10.2
	500-600	3.5	3.8	6.1	6.5	3.5/7.4	4.1/7.6	7.5	7.8	10.3	10.8
	600-1000	3.8	4.1	6.5	6.9	3.8/7.8	4.2/8.0	7.8	8.1	10.8	11.5
Return Loss input (dB Min.)	5-40	22	16	31	16	22	16	18	16	20	16
	40-400	21	18	28	18	26	18	20	18	25	18
	400-500	21	18	28	18	25	18	20	18	24	18
	500-600	21	18	24	18	24	18	22	18	22	18
	600-1000	20	16	22	16	22	16	20	16	18	16
Return Loss output (dB Min.)	5-40	21	16	21	16	18	16	18	16	20	16
	40-400	23	18	25	18	23	18	21	18	23	18
	400-500	21	18	26	18	26	18	29	18	23	18
	500-600	21	18	24	18	22	18	26	18	20	18
	600-1000	22	16	20	16	20	16	20	16	18	16
Isolation Loss OUT-OUT (dB Min.)	5-40	26	22	25	22	28	22	24	22	23	20
	40-400	32	25	30	25	30	25	28	25	28	22
	400-500	28	25	28	25	28	22	25	25	25	22
	500-600	27	25	25	22	25	22	24	22	22	20
	600-1000	25	22	23	22	25	22	23	22	22	20
Impedance	5-1000	75 Ohm									
RFI (dB)	5-1000	130dB									

Parameter	Frequency (MHz)	8-WAY		10-WAY		12-WAY		14-WAY		16-WAY	
		Typ	QA	Typ	QA	Typ	QA	Typ	QA	Typ	QA
Insertion Loss IN-OUT (dB Max.)	5-40	10.1	10.3	11.0	12.0	11.0	12.0	14.0	15.0	14.0	15.0
	40-400	10.4	10.7	11.0	12.5	11.0	12.5	14.0	15.5	14.0	15.5
	400-500	10.8	11.2	11.5	12.5	11.5	12.5	14.5	15.5	14.5	15.5
	500-600	11.3	11.8	12.0	13.5	12.0	13.5	15.5	16.5	15.5	16.5
	600-1000	12.0	12.6	13.0	14.5	13.0	14.5	15.5	16.5	15.5	16.5
Return Loss input (dB Min.)	5-40	18	16	18	16	18	16	18	16	18	16
	40-400	20	18	18	16	18	16	18	16	18	16
	400-500	18	16	18	16	18	16	18	16	18	16
	500-600	18	16	18	16	18	16	18	16	18	16
	600-1000	18	16	18	16	18	16	18	16	18	16
Return Loss output (dB Min.)	5-40	19	16	18	16	18	16	18	16	18	16
	40-400	20	16	20	16	20	18	22	18	22	18
	400-500	18	16	20	16	20	18	22	18	22	18
	500-600	18	16	20	16	20	16	20	16	20	16
	600-1000	18	16	16	16	18	16	18	16	18	16
Isolation Loss OUT-OUT (dB Min.)	5-40	28	25	26	20	28	25	24	20	23	20
	40-400	30	25	32	28	32	28	28	22	28	25
	400-500	26	24	28	25	30	25	25	22	25	22
	500-600	24	22	27	23	28	23	24	22	22	20
	600-1000	24	22	25	22	25	22	23	21	22	20
Impedance	5-1000	75 Ohm									
RFI (dB)	5-1000	130dB									



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*Specifications are subject to change without notice.

DATE:	PO#	DWG.515117800A	16 WAY SOLDERBACK SPLITTER	PAGE 1
INSP. BY:	R#			MODEL: SDS-16
FREQUENCY RANGE: 5MHz - 1GHz		VENDOR: CHIT SHUN CATV EQUIP.	QTY:	STOCK NO: 1939
Characteristics:	Specifications:	Tol. / Notes		
MECHANICAL TESTS				
MECHANICAL DIMS.	7.59"	±.015		
	7.27"	±.015		
	2.00"	±.015		
	1.42"	±.015		
	0.92"	±.015		
	0.78"	±.015		
	0.33"	±.015		
VISUAL				
GROUND SCREWS	TWO			
SCREWS (NOT ON DRAWING)	TWO			
CONNECTORS	F-TYPE FEMALE			
BACKING SEAL	SOLDERED			
UNIT BT (LOGO) LABEL	MODEL# + STOCK#			
BAR CODE (BAG)	STOCK #	(1)		
LABEL (BAG)	MODEL# + STOCK#	(1)		
PROTECTIVE CAP	BLUE			
ELECTRICAL TESTS				
	<u>FREQUENCY</u>	<u>MAXIMUM</u>		
INSERTION LOSS	5-40MHZ	15.0dB		
	40-400MHZ	15.5dB		
	400-500MHZ	15.5dB		
	500-600MHZ	16.5dB		
	600-1000MHZ	16.5dB		
		<u>MINIMUM</u>		
ISOLATION	5-40MHZ	20.0dB		
	40-400MHZ	25.0dB		
	400-500MHZ	22.0dB		
	500-600MHZ	20.0dB		
	600-1000MHZ	20.0dB		
INPUT RETURN LOSS	5-1000MHZ	16.0dB		
OUTPUT RETURN LOSS	5-40MHZ	16.0dB		
	40-500MHZ	18.0dB		
	500-1000MHZ	16.0dB		
NOTES: (1) ALL INFO ON ONE LABEL				