

Power Splitter/Combiner

10 Way-0° 50Ω 2300 to 2600 MHz

ZC10PD-26-S

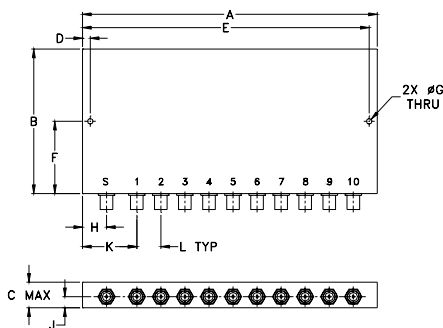
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.80W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1,2,3,4,5,6,7,8,9,10	1,2,3,4,5,6,7,8,9,10

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
6.13	3.00	.53	.162	5.962	1.500
155.70	76.20	13.46	4.11	151.43	38.10
G	H	J	K	L	wt
.116	.50	.25	1.13	.50	grams
2.95	12.70	6.35	28.70	12.70	207

Features

- low insertion loss, 0.7 dB typ.
- high isolation, 25 dB typ.
- good amplitude unbalance, 0.45 dB typ.
- good VSWR, 1.25 typ.
- up to 10W power input as splitter

Applications

- cellular communications
- CATV
- ISM
- wireless communication systems



Generic photo used for illustration purposes only

CASE STYLE: AB204

Connectors	Model
SMA	ZC10PD-26-S

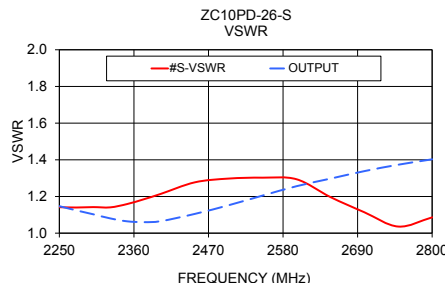
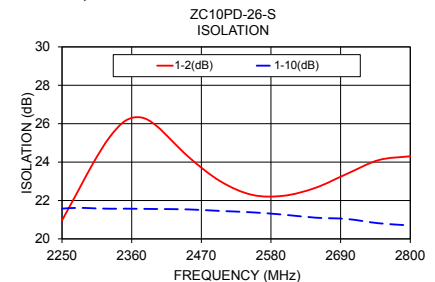
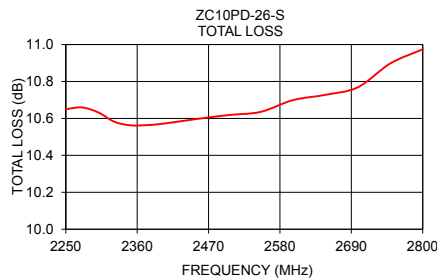
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 10 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.			S	OUT	Typ.	Max.
f _L -f _U					Max.	Max.	Typ.	Max.	Typ.	Max.
2300-2600	25	20	0.7	1.9	15	1.1	1.3	1.7	1.2	1.6

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			1-2	1-10			
2250	10.65	0.37	20.96	21.58	5.83	1.14	1.15
2275	10.66	0.50	22.47	21.62	6.08	1.14	1.12
2300	10.63	0.49	23.99	21.59	7.06	1.14	1.10
2325	10.58	0.32	25.29	21.57	7.42	1.14	1.08
2350	10.56	0.29	26.15	21.57	7.18	1.16	1.06
2375	10.56	0.27	26.32	21.56	6.93	1.19	1.06
2400	10.57	0.27	25.87	21.56	6.73	1.21	1.07
2450	10.60	0.26	24.26	21.53	6.48	1.28	1.11
2500	10.62	0.27	23.00	21.46	6.80	1.30	1.15
2550	10.64	0.31	22.29	21.38	7.52	1.30	1.21
2600	10.70	0.30	22.25	21.26	8.95	1.29	1.26
2650	10.73	0.35	22.66	21.11	8.39	1.20	1.30
2700	10.77	0.41	23.39	21.04	9.21	1.11	1.34
2750	10.90	0.47	24.10	20.81	10.10	1.04	1.37
2800	10.97	0.50	24.31	20.70	11.05	1.09	1.40

1. Total Loss = Insertion Loss + 10dB splitter loss.



electrical schematic



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

