

DC Pass, High Power

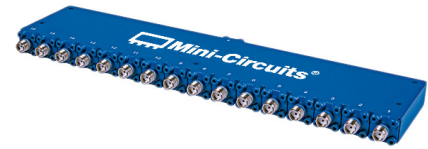
Power Splitter/Combiner

ZC16PD-K0644+

16 Way-0° 50Ω 6000 to 40000 MHz

The Big Deal

- Super wideband, 6 to 40 GHz
- Low insertion loss, 2.2 dB typ.
- High Isolation, 26 dB typ.
- 20W power handling
- Low amplitude unbalance, 0.28 dB typ.



CASE STYLE: UU640-1

Product Overview

Mini-Circuits' ZC16PD-K0644+ is a super wideband 16-way 0° splitter/combiner providing coverage from 6 to 40 GHz, supporting a wide range of applications including 5G, Ku-Band, K-Band, instrumentation and many more. This model provides 20W power handling as a splitter and very low insertion loss across the entire operating frequency range, minimizing power dissipation and delivering excellent signal power transmission from input to output. The ZC16PD-K0644+ comes housed in a case measuring 8.27 x 1.75 x 0.5" with 2.92mm connectors.

Key Features

Feature	Advantages
Super wideband, 6 to 40 GHz	Extremely wide frequency range supports many broadband applications in a single model.
Low insertion loss, 2.2 dB typ.	The combination of 20W power handling and low insertion loss makes this model a suitable candidate for distributing signals while maintaining excellent transmission of signal power.
High isolation, 26 dB typ.	Minimizes interference between ports.
High power handling: <ul style="list-style-type: none">• 20W as a splitter at 25°C• 1.35W as a combiner	The ZC16PD-K0644+ is suitable for systems with a wide range of power requirements.
Low amplitude unbalance, 0.28 dB	Produces nearly equal output signals, ideal for parallel path and multichannel systems.
DC Passing, 404mA	Supports applications where DC power is needed through the RF line.

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



DC Pass, High Power Power Splitter/Combiner

16 Way-0° 50Ω 6000 to 40000 MHz

ZC16PD-K0644+



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CASE STYLE: UU640-1

Connectors Model
2.92mm-Fem ZC16PD-K0644+

+RoHS Compliant
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Maximum Ratings

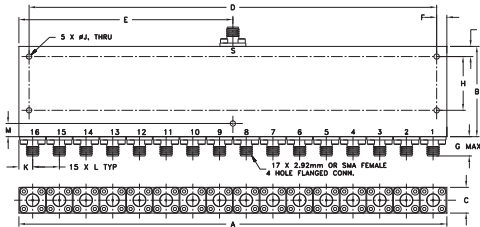
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	20W* max.
Internal Dissipation	1.35W max.
DC Current	404 mA

Permanent damage may occur if any of these limits are exceeded.
* Derate linearly to 8.2W at 100°C

Coaxial Connections

Sum Port	S
Port 1-16	1-16

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
8.27	1.75	.50	7.874	4.13	.197	.43
210	44.5	12.70	200.0	105	5.00	11
H	J	K	L	M	wt	
1.043	.10	.27	.52	.256	grams	
26.5	2.54	6.86	13.21	6.50	430	

Electrical Schematic



Features

- Super wideband, 6000 - 40000 MHz
- Low insertion loss, 2.2 dB typ.
- Low amplitude unbalance, 0.28 dB typ.
- Excellent VSWR, 1.25:1 typ.
- High isolation, 26 dB typ.

Applications

- Fixed satellite
- 5G
- Mobile
- Space research

Electrical Specifications at 25°C

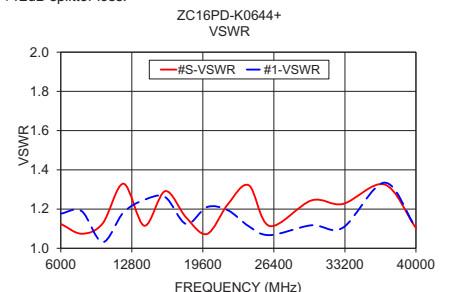
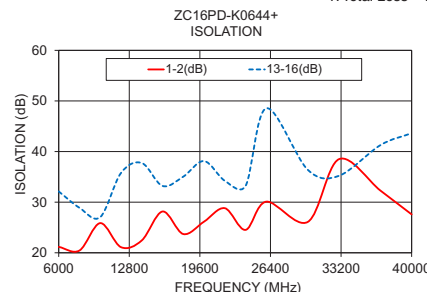
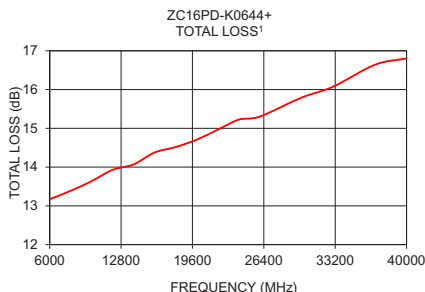
Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		6000		40000	MHz
Insertion Loss Above 12.0 dB	6000-18000		2.2	3.4	
	18000-26500		3.3	4	dB
	26500-40000		4.7	5.5	
Isolation	6000-18000	16	22		
	18000-26500	18	26		dB
	26500-40000	18	25		
Phase Unbalance (±)¹	6000-18000		3.9	8	
	18000-26500		6	10	Degree
	26500-40000		8.7	14	
Amplitude Unbalance (±)¹	6000-18000		0.21	0.5	
	18000-26500		0.28	0.7	dB
	26500-40000		0.36	0.8	
VSWR (Port S)	6000-18000		1.38	1.6	
	18000-26500		1.25	1.6	:1
	26500-40000		1.31	1.7	
VSWR (Port 1-16)	6000-18000		1.3	1.6	
	18000-26500		1.25	1.6	:1
	26500-40000		1.26	1.7	

1. With reference to average.

Typical Performance Data

Freq. (MHz)	Total Loss¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			1-2	13-16			
			S-1				
6000	13.17	0.10	21.16	32.12	1.75	1.12	1.18
8000	13.39	0.10	20.45	28.89	2.19	1.07	1.19
10000	13.64	0.11	25.86	27.04	2.74	1.13	1.03
12000	13.93	0.13	21.11	35.77	3.29	1.33	1.18
14000	14.07	0.10	22.44	37.75	3.56	1.11	1.25
16000	14.38	0.13	28.16	33.21	4.43	1.29	1.26
18000	14.52	0.14	23.70	35.05	4.84	1.16	1.12
20000	14.71	0.14	26.15	38.13	5.46	1.07	1.21
22000	14.96	0.13	28.81	34.23	5.50	1.22	1.19
24000	15.22	0.19	24.53	33.21	6.17	1.32	1.11
26000	15.30	0.18	30.10	48.56	6.76	1.11	1.07
30000	15.79	0.18	26.11	36.39	7.33	1.24	1.12
33000	16.07	0.19	38.50	35.21	8.20	1.23	1.10
37000	16.64	0.25	32.28	41.28	9.32	1.33	1.33
40000	16.80	0.27	27.59	43.63	9.89	1.10	1.10

1. Total Loss = Insertion Loss + 12dB splitter loss.



Notes

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16 Way-0° Power Splitter/Combiner

ZC16PD-K0644+

Typical Performance Data

Data tested at 25DegC

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
3000	12.90	12.88	12.85	12.92	12.86	12.92	0.07	12.42	21.02	20.21	21.31	1.21	3000	1.47	1.12	1.12
4000	12.93	12.88	12.87	12.89	12.86	12.91	0.08	16.76	20.16	18.96	19.41	1.53	4000	1.18	1.29	1.33
5000	12.99	12.99	12.99	12.99	12.97	12.96	0.08	17.74	25.30	24.78	24.73	1.48	5000	1.01	1.25	1.27
6000	13.17	13.15	13.15	13.15	13.10	13.13	0.10	21.16	31.97	31.95	32.12	1.75	6000	1.12	1.18	1.25
7000	13.30	13.28	13.27	13.32	13.24	13.28	0.08	25.28	38.93	31.54	33.07	1.87	7000	1.15	1.30	1.30
8000	13.39	13.39	13.37	13.44	13.33	13.41	0.10	20.45	31.40	28.33	28.89	2.19	8000	1.07	1.19	1.16
9000	13.56	13.56	13.55	13.58	13.52	13.55	0.07	23.78	35.95	34.96	37.33	2.58	9000	1.16	1.29	1.32
10000	13.64	13.64	13.63	13.65	13.60	13.60	0.11	25.86	27.72	27.07	27.04	2.74	10000	1.13	1.03	1.04
11000	13.83	13.82	13.84	13.88	13.81	13.83	0.07	29.79	40.54	37.19	39.04	3.15	11000	1.32	1.18	1.22
12000	13.93	13.94	13.95	14.05	13.91	13.99	0.13	21.11	34.45	33.37	35.77	3.29	12000	1.33	1.18	1.20
13000	13.97	13.98	13.97	14.02	13.95	13.96	0.08	27.33	28.74	27.30	27.41	3.60	13000	1.16	1.29	1.33
14000	14.07	14.09	14.08	14.10	14.04	14.04	0.10	22.44	39.85	36.53	37.75	3.56	14000	1.11	1.25	1.27
15000	14.31	14.34	14.35	14.42	14.28	14.33	0.14	37.75	31.00	29.70	30.14	3.94	15000	1.39	1.37	1.39
16000	14.38	14.35	14.37	14.43	14.31	14.41	0.13	28.16	36.52	33.38	33.21	4.43	16000	1.29	1.26	1.25
17000	14.40	14.39	14.41	14.47	14.34	14.42	0.14	27.45	51.74	46.55	48.99	4.75	17000	1.16	1.14	1.14
18000	14.52	14.51	14.55	14.55	14.46	14.50	0.14	23.70	37.61	33.54	35.05	4.84	18000	1.16	1.12	1.13
19000	14.66	14.69	14.70	14.72	14.64	14.65	0.14	27.96	29.98	28.88	29.86	5.08	19000	1.33	1.14	1.16
20000	14.71	14.74	14.75	14.79	14.67	14.71	0.14	26.15	37.03	35.73	38.13	5.46	20000	1.07	1.21	1.26
21000	14.81	14.83	14.85	14.88	14.77	14.81	0.13	27.40	35.59	32.29	35.00	5.51	21000	1.10	1.18	1.20
22000	14.96	14.97	14.99	15.01	14.92	14.94	0.13	28.81	36.91	34.77	34.23	5.50	22000	1.22	1.19	1.20
23000	15.02	15.03	15.07	15.08	14.97	14.99	0.15	23.57	42.02	38.33	39.16	5.82	23000	1.04	1.12	1.11
24000	15.22	15.24	15.29	15.31	15.16	15.22	0.19	24.53	32.53	32.26	33.21	6.17	24000	1.32	1.11	1.07
25000	15.22	15.23	15.28	15.33	15.18	15.25	0.17	26.84	34.38	32.94	32.76	6.72	25000	1.12	1.09	1.04
27000	15.40	15.45	15.48	15.48	15.37	15.42	0.18	27.49	37.45	35.15	37.16	6.81	27000	1.04	1.07	1.11
28000	15.52	15.56	15.61	15.62	15.48	15.57	0.16	24.25	37.22	36.82	36.29	7.02	28000	1.11	1.10	1.15
29000	15.64	15.65	15.70	15.74	15.60	15.65	0.16	28.76	43.46	43.70	42.17	7.20	29000	1.07	1.17	1.19
30000	15.79	15.81	15.86	15.88	15.75	15.82	0.18	26.11	38.46	35.87	36.39	7.33	30000	1.24	1.12	1.13
31000	15.86	15.87	15.93	15.97	15.81	15.92	0.19	35.16	39.99	38.43	38.01	7.85	31000	1.14	1.11	1.12
32000	15.98	16.02	16.07	16.10	15.94	16.05	0.21	25.42	47.92	40.41	49.72	8.10	32000	1.24	1.09	1.10
33000	16.07	16.12	16.18	16.19	16.05	16.14	0.19	38.50	35.14	33.91	35.21	8.20	33000	1.23	1.10	1.14
35000	16.38	16.40	16.47	16.52	16.31	16.46	0.21	31.22	49.03	41.60	51.31	8.80	35000	1.28	1.35	1.42
37000	16.64	16.64	16.72	16.74	16.53	16.71	0.25	32.28	44.58	44.43	41.28	9.32	37000	1.33	1.33	1.37
40000	16.80	16.85	16.94	16.95	16.76	16.88	0.27	27.59	43.32	45.99	43.63	9.89	40000	1.10	1.10	1.06
43500	17.18	17.23	17.31	17.35	17.14	17.30	0.25	29.35	35.93	35.77	35.29	10.73	43500	1.11	1.26	1.25

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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6/12/2019
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16 Way-0° Power Splitter/Combiner

ZC16PD-K0644+

Typical Performance Data

Data tested at -55DegC

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
3000	12.95	12.92	12.87	12.93	12.96	12.97	0.10	12.57	21.27	20.48	21.55	4.18	3000	1.52	1.13	1.12
4000	12.87	12.89	12.84	12.82	12.85	12.87	0.14	16.81	20.21	19.04	19.47	2.72	4000	1.17	1.28	1.30
5000	12.90	12.96	12.90	12.95	12.92	12.93	0.08	17.89	25.14	24.74	24.65	4.32	5000	1.01	1.24	1.26
6000	13.09	13.12	13.07	13.06	13.04	13.09	0.12	21.28	31.79	32.13	32.12	2.58	6000	1.13	1.14	1.22
7000	13.21	13.25	13.20	13.23	13.19	13.23	0.08	25.61	40.68	32.36	33.80	1.99	7000	1.17	1.26	1.29
8000	13.29	13.33	13.27	13.33	13.25	13.32	0.09	20.69	31.99	28.43	29.02	2.11	8000	1.07	1.18	1.17
9000	13.45	13.50	13.45	13.47	13.42	13.48	0.09	24.87	37.72	36.41	38.85	3.11	9000	1.17	1.27	1.31
10000	13.53	13.56	13.51	13.53	13.49	13.52	0.12	25.59	27.85	27.33	27.24	3.52	10000	1.12	1.01	1.04
11000	13.71	13.74	13.71	13.73	13.68	13.72	0.09	27.97	38.51	35.50	37.71	2.42	11000	1.29	1.18	1.21
12000	13.78	13.83	13.79	13.87	13.76	13.85	0.11	20.76	35.99	35.52	37.28	2.62	12000	1.29	1.17	1.16
13000	13.86	13.89	13.83	13.88	13.82	13.86	0.09	27.53	28.84	27.38	27.56	2.38	13000	1.18	1.30	1.32
14000	13.91	13.97	13.92	13.95	13.90	13.91	0.10	22.80	38.13	36.22	36.77	2.95	14000	1.03	1.27	1.29
15000	14.29	14.32	14.31	14.36	14.26	14.31	0.11	37.82	30.36	29.48	29.88	3.58	15000	1.57	1.36	1.37
16000	14.20	14.22	14.18	14.23	14.13	14.22	0.14	29.28	34.01	31.74	31.78	3.00	16000	1.23	1.26	1.22
17000	14.24	14.26	14.23	14.30	14.17	14.27	0.15	25.99	49.18	49.22	54.77	2.51	17000	1.17	1.12	1.10
18000	14.34	14.36	14.35	14.36	14.29	14.34	0.16	24.58	37.64	34.01	35.23	2.20	18000	1.13	1.13	1.14
19000	14.46	14.52	14.47	14.50	14.42	14.46	0.17	27.94	30.45	29.39	30.40	3.42	19000	1.26	1.15	1.17
20000	14.53	14.60	14.54	14.58	14.47	14.55	0.20	27.25	37.11	35.50	37.70	3.03	20000	1.12	1.22	1.26
21000	14.61	14.67	14.61	14.64	14.54	14.64	0.19	26.24	38.48	33.76	36.94	2.88	21000	1.09	1.16	1.17
22000	14.72	14.78	14.73	14.73	14.67	14.74	0.18	28.94	36.83	34.65	34.15	2.36	22000	1.14	1.18	1.20
23000	14.80	14.86	14.82	14.85	14.73	14.78	0.22	23.76	40.13	38.27	38.56	3.09	23000	1.10	1.14	1.14
24000	15.02	15.07	15.03	15.06	14.93	15.02	0.23	25.19	33.82	33.20	34.44	2.82	24000	1.34	1.11	1.07
25000	15.00	15.07	15.03	15.05	14.93	15.05	0.23	27.05	33.86	32.36	32.48	3.27	25000	1.14	1.09	1.05
27000	15.16	15.26	15.21	15.21	15.11	15.18	0.24	27.55	39.23	35.97	38.65	2.70	27000	1.08	1.05	1.09
28000	15.26	15.35	15.31	15.34	15.19	15.29	0.25	24.25	36.12	35.78	35.79	3.57	28000	1.08	1.09	1.14
29000	15.37	15.44	15.41	15.41	15.30	15.42	0.24	31.43	40.96	45.73	40.13	3.58	29000	1.07	1.20	1.21
30000	15.50	15.58	15.53	15.53	15.43	15.55	0.26	26.45	37.43	34.77	36.01	4.75	30000	1.17	1.14	1.14
31000	15.57	15.65	15.61	15.63	15.48	15.63	0.29	35.47	38.92	37.85	37.11	5.32	31000	1.10	1.11	1.10
32000	15.69	15.79	15.74	15.78	15.61	15.75	0.30	25.43	73.80	41.85	65.92	4.82	32000	1.17	1.11	1.10
33000	15.76	15.88	15.82	15.86	15.72	15.85	0.28	38.42	38.84	36.01	37.90	4.90	33000	1.20	1.13	1.18
35000	16.02	16.15	16.09	16.09	15.92	16.12	0.34	27.34	43.64	56.93	44.54	7.26	35000	1.12	1.33	1.37
37000	16.21	16.31	16.25	16.26	16.10	16.32	0.35	29.71	36.10	38.69	36.44	4.38	37000	1.13	1.32	1.33
40000	16.41	16.58	16.52	16.53	16.36	16.53	0.35	29.88	37.21	38.60	38.64	6.84	40000	1.11	1.13	1.06
43500	16.79	16.92	16.85	16.87	16.71	16.90	0.37	28.44	34.86	34.47	34.25	6.91	43500	1.05	1.30	1.27

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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16 Way-0° Power Splitter/Combiner

ZC16PD-K0644+

Typical Performance Data

Data tested at 100DegC

FREQ. (MHz)	TOTAL LOSS ¹ (dB)						AMP. UNBAL. (dB)	ISOLATION (dB)				PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-5	S-8	S-9	S-13	S-16		1-2	5-7	9-11	13-16			S	1	16
3000	12.89	12.90	12.92	12.90	12.98	12.91	0.15	14.13	22.11	20.90	22.14	0.97	3000	1.56	1.11	1.11
4000	12.90	12.93	12.89	12.89	12.96	12.89	0.13	16.65	21.62	19.56	19.96	1.06	4000	1.24	1.30	1.34
5000	13.01	13.01	13.00	13.01	13.04	12.99	0.11	16.99	26.21	24.84	24.54	0.87	5000	1.12	1.22	1.24
6000	13.10	13.14	13.08	13.09	13.14	13.08	0.09	23.28	32.03	31.46	31.00	2.55	6000	1.08	1.14	1.18
7000	13.25	13.29	13.25	13.25	13.30	13.25	0.06	26.17	44.52	34.43	36.65	2.52	7000	1.03	1.24	1.25
8000	13.36	13.43	13.40	13.37	13.44	13.39	0.10	20.93	32.29	28.23	28.46	2.20	8000	1.04	1.19	1.15
9000	13.53	13.57	13.50	13.52	13.58	13.50	0.08	23.44	38.38	35.85	38.12	2.01	9000	1.14	1.25	1.27
10000	13.58	13.63	13.57	13.57	13.63	13.56	0.08	28.32	29.33	27.09	26.81	0.73	10000	1.14	1.01	1.01
11000	13.83	13.89	13.82	13.83	13.90	13.82	0.07	26.90	44.08	38.60	40.97	0.61	11000	1.35	1.15	1.18
12000	13.89	13.99	13.91	13.90	13.98	13.90	0.11	21.97	39.51	36.64	39.00	1.22	12000	1.22	1.16	1.20
13000	13.94	14.01	13.95	13.94	14.01	13.94	0.08	28.64	31.86	28.21	28.16	0.81	13000	1.09	1.26	1.30
14000	14.02	14.11	14.01	14.02	14.08	14.02	0.11	22.96	45.59	38.74	40.01	1.51	14000	1.14	1.18	1.22
15000	14.28	14.37	14.28	14.27	14.33	14.27	0.10	36.02	33.85	30.34	30.53	2.27	15000	1.15	1.29	1.36
16000	14.35	14.42	14.34	14.35	14.38	14.34	0.09	29.73	45.88	36.65	36.85	2.31	16000	1.22	1.24	1.25
17000	14.39	14.47	14.38	14.39	14.42	14.38	0.10	28.12	47.83	45.36	42.69	1.93	17000	1.16	1.14	1.16
18000	14.42	14.58	14.43	14.41	14.51	14.43	0.17	24.42	41.37	33.20	34.78	1.31	18000	1.09	1.11	1.13
19000	14.60	14.75	14.61	14.60	14.72	14.61	0.15	29.64	33.87	28.38	29.29	1.17	19000	1.33	1.09	1.13
20000	14.68	14.79	14.67	14.68	14.75	14.67	0.15	27.25	39.39	33.60	35.15	1.45	20000	1.23	1.16	1.22
21000	14.82	14.90	14.80	14.82	14.87	14.80	0.14	28.83	39.34	31.31	33.57	1.37	21000	1.04	1.16	1.18
22000	14.90	15.00	14.89	14.90	14.98	14.89	0.12	29.00	40.36	33.32	32.77	1.31	22000	1.11	1.19	1.19
23000	14.98	15.10	15.00	14.98	15.11	15.00	0.16	25.31	43.79	35.97	35.95	1.44	23000	1.16	1.12	1.12
24000	15.20	15.32	15.23	15.20	15.23	15.23	0.12	24.83	38.33	32.01	32.40	1.25	24000	1.20	1.13	1.09
25000	15.24	15.36	15.22	15.24	15.29	15.21	0.15	28.38	42.59	34.32	33.68	0.88	25000	1.14	1.09	1.06
27000	15.40	15.53	15.40	15.40	15.48	15.39	0.14	29.40	46.78	37.51	39.32	1.28	27000	1.01	1.07	1.09
28000	15.51	15.66	15.52	15.51	15.57	15.52	0.15	24.81	46.06	38.52	37.17	1.57	28000	1.15	1.09	1.15
29000	15.65	15.78	15.66	15.65	15.73	15.66	0.13	31.20	52.76	51.35	41.69	1.85	29000	1.12	1.15	1.17
30000	15.71	15.86	15.71	15.71	15.83	15.71	0.17	26.96	52.89	39.58	40.75	1.77	30000	1.15	1.10	1.12
31000	15.92	16.06	15.90	15.91	15.96	15.90	0.16	37.77	54.70	40.74	44.28	1.75	31000	1.26	1.07	1.11
32000	16.06	16.20	16.02	16.05	16.06	16.02	0.18	26.45	49.39	36.91	41.02	1.64	32000	1.23	1.11	1.13
33000	16.05	16.21	16.04	16.04	16.13	16.04	0.17	39.59	41.84	31.83	33.28	1.85	33000	1.23	1.16	1.17
35000	16.33	16.52	16.35	16.32	16.43	16.35	0.21	30.58	51.77	39.51	43.74	1.90	35000	1.21	1.34	1.42
37000	16.59	16.80	16.55	16.58	16.66	16.54	0.26	32.36	49.37	40.91	38.55	1.87	37000	1.34	1.29	1.34
40000	16.75	16.95	16.71	16.74	16.93	16.70	0.29	30.35	49.68	41.20	41.86	1.43	40000	1.13	1.06	1.04
43500	17.12	17.40	17.15	17.11	17.35	17.14	0.33	33.87	42.70	32.58	31.65	2.65	43500	1.29	1.24	1.21

¹Total Loss = Insertion Loss + 12dB Splitter Loss



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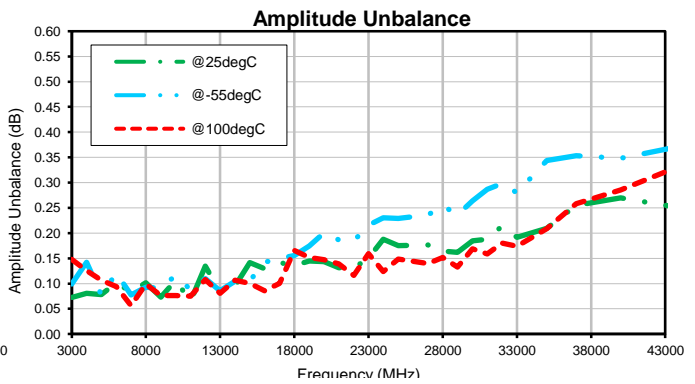
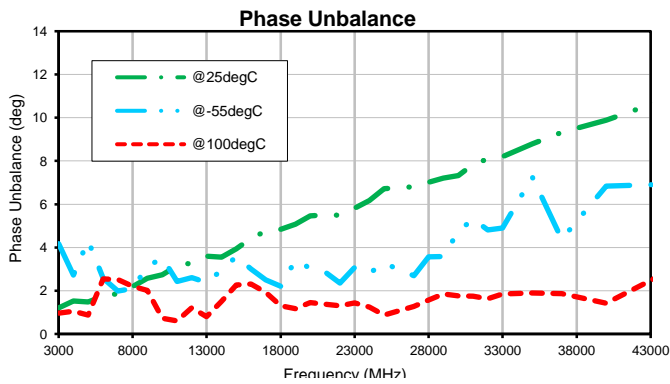
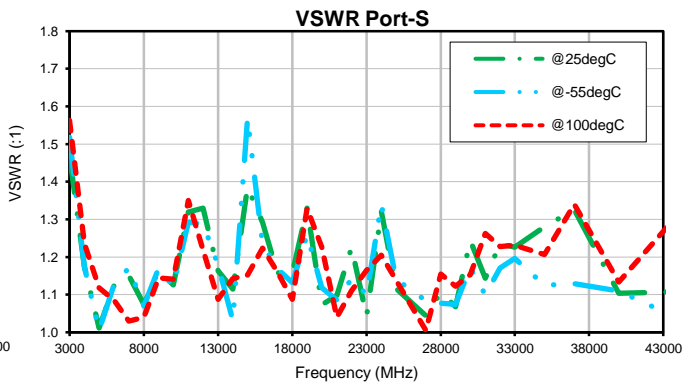
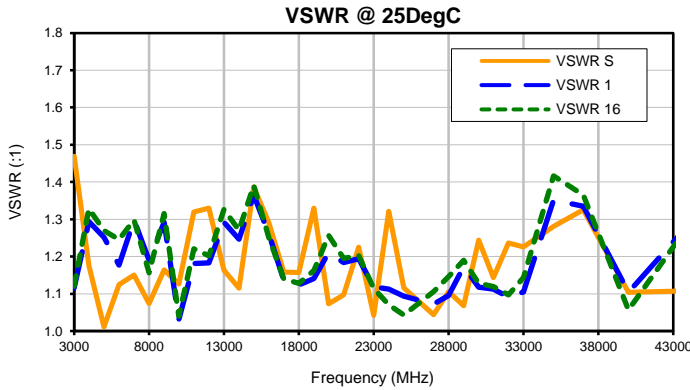
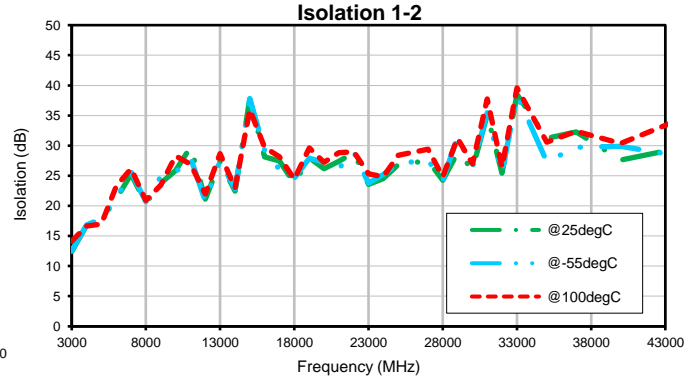
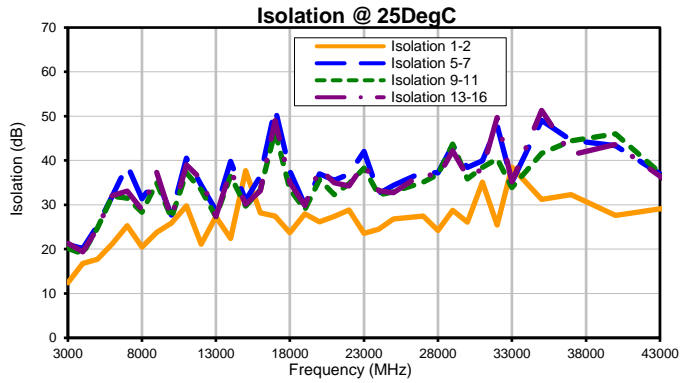
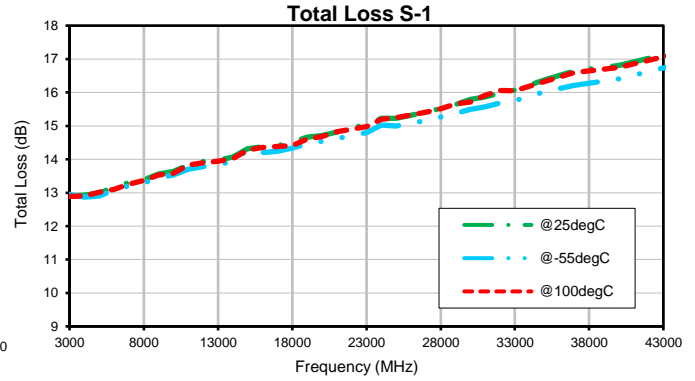
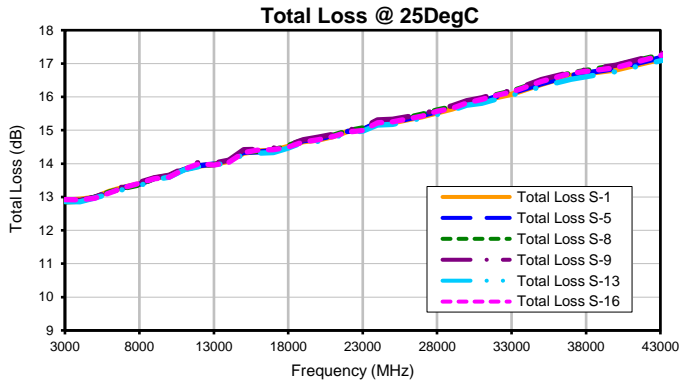
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16 Way-0° Power Splitter/Combiner

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Typical Performance Curves



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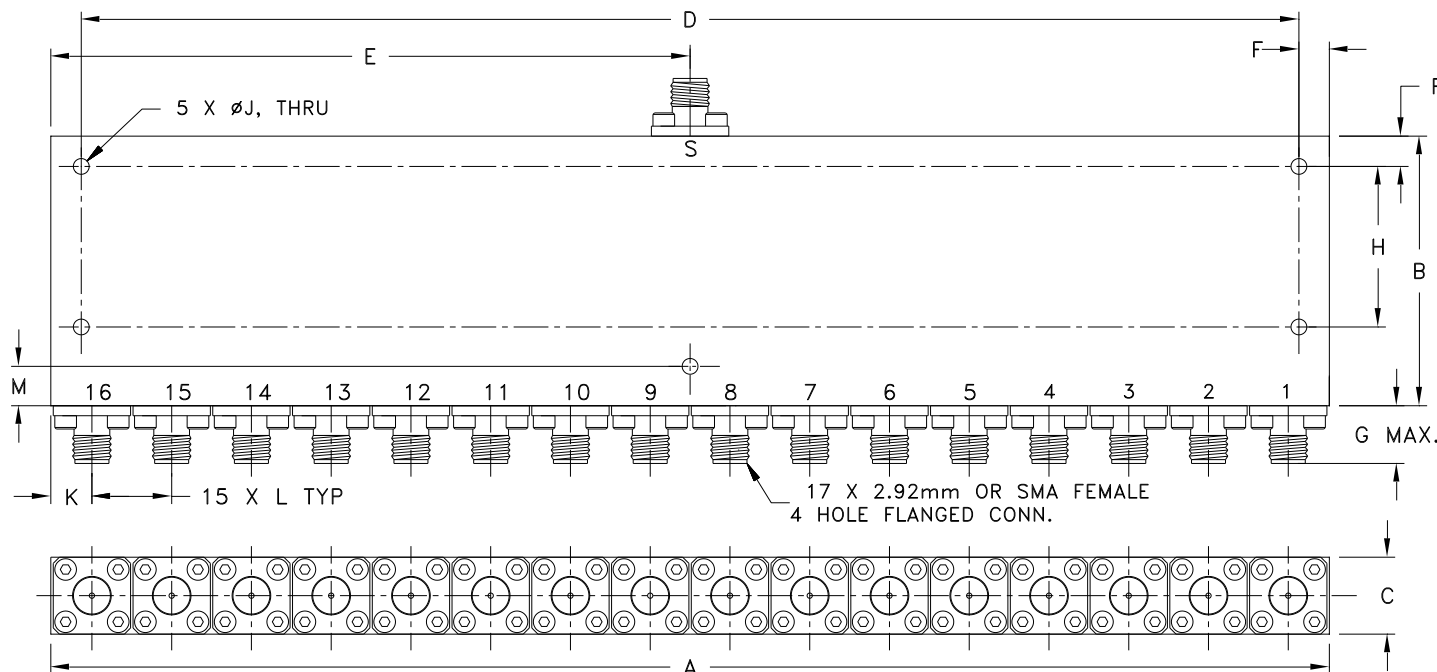
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Case Style

UU

Outline Dimensions

UU640-1



CASE#	A	B	C	D	E	F	G	H	J	K	L	M
UU640-1	8.27 (210.00)	1.75 (44.50)	.50 (12.70)	7.874 (200.00)	4.13 (105.00)	.197 (5.00)	.43 (11.0)	1.043 (26.50)	.10 (2.60)	.27 (6.75)	.52 (13.10)	.256 (6.50)

CASE#	WT. GRAMS
UU640-1	430

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .03$; 3 Pl. $\pm .015$

Notes:

- Case material: Aluminum alloy.
- Case finish:
For RoHS Case Styles: Clear chemical conversion coating, non-chrome or trivalent chrome based.
- Refer to the individual model data sheet for the type of connectors available.



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All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-55° to 100°C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-55° to 100° C Ambient Environment	Individual Model Data Sheet
Barometric Pressure	100,000 Feet	MIL-STD-202, Method 105, Condition D
Humidity	90% RH, 65°C Units may require bake-out after humidity to restore full performance.	MIL-STD-202, Method 103
Thermal Shock	-65° to 125°C, 5 cycles	MIL-STD-202, Method 107, Condition B