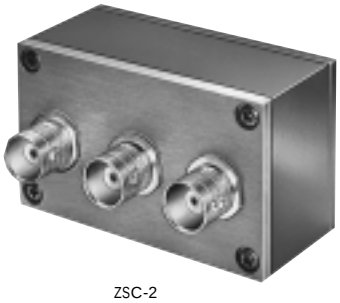
POWER SPLITTERS/COMBINERS 50 & 75Ω

2 WAY-0° 2 kHz to 10 GHz


ZESC-2


ZFSC-2


ZMSC-2


ZSC-2

	MODEL NO.	FREQ. RANGE MHz f_L-f_U	ISOLATION dB L Typ.	L Min.	M° Typ.	M° Min.	U Typ.	U Min.	INSERTION LOSS, dB Above 3dB L Typ.	L Max.	M° Typ.	M° Max.	U Typ.	U Max.	PHASE UNBAL. Degrees L Max.	M° Max.	U Max.	AMPLITUDE UNBAL. dB L Max.	M° Max.	U Max.	VSWR (:1) S Typ.	S Max.	OUT Typ.	OUT Max.	CASE STYLE Note B	CONNECTION	PRICE $ ea. Qty. (1-9)
	ZESC-2-11	10-2000	19	10	18	13	20	11	0.5	0.9	0.5	1.0	0.6	1.2	1	3	6	0.20	0.30	0.50					V37	ar	71.95
	ZFSC-2-1	5-500	30	25	28	20	25	20	0.2	0.5	0.3	0.6	0.6	0.8	2	4	4	0.15	0.15	0.30					K18	ar	44.95
■	ZFSC-2-1-75	0.25-300	20	15	30	25	25	20	0.4	0.75	0.4	0.75	0.4	1.0	2	3	5	0.15	0.20	0.30					K18	ar	45.95
■	ZFSC-2-1W-75	5-600	44	26	45	30	31	20	0.22	0.6	0.27	0.7	0.46	0.9	1	2	3	0.20	0.30	0.40					K18	ar	50.95
	ZFSC-2-1W	1-750	30	20	28	20	25	20	0.2	0.5	0.4	0.8	0.8	1.0	2	4	4	0.15	0.15	0.30					K18	ar	48.95
	ZFSC-2-2	10-1000	30	20	25	20	23	18	0.2	0.5	0.5	1.0	0.9	1.2	2	4	4	0.15	0.15	0.30					K18	ar	51.95
			L[1]		U[1]				L[1]		U[1]				L[1]	U[1]	L[1]	U[1]								
	ZFSC-2-9G	3500-9000	18	12	20	12			0.5	1.5	0.6	1.2			7	10		0.30	0.50						JJJ142	as	59.95
	ZFSC-2-10G	2000-10000	15	9	20	12			0.5	1.5	0.6	1.6			7	12		0.60	0.50						JJJ142	as	69.95
	ZFSC-2-4	0.2-1000	20	15	25	20	23	18	0.2	0.8	0.5	1.0	0.9	1.2	2	4	4	0.15	0.15	0.30	see Yoni for				K18	ar	55.95
	ZFSC-2-5	10-1500	25	15	30	20	25	18	0.25	0.6	0.5	1.0	0.8	1.5	2	3	4	0.15	0.20	0.50					K18	ar	59.95
✣	ZFSC-2-6*	0.002-60	27	20	30	20	27	20	0.3	0.6	0.3	0.6	0.6	1.0	2	3	4	0.15	0.20	0.30	Performance				K18	ar	49.95
✣■	ZFSC-2-6-75	0.004-60	30	20	35	20	25	20	0.5	0.8	0.4	0.8	0.7	1.0	1	2	3	0.15	0.20	0.30					K18	ar	51.95
	ZFSC-2-11	10-2000	14	10	16	14	20	15	1.2	1.5	1.2	1.5	1.0	2.2	1	2	4	0.20	0.30	0.50	Data and				K18	ar	64.95
▲	ZFSC-2-2500	10-2500	16	11	17	14	17	14	0.5	0.8	0.6	1.4	0.8	1.5	1	4	8	0.20	0.30	0.40					K18	ar	74.95
✣	ZMSC-2-1	0.1-400	20	15	25	20	25	20	0.2	0.5	0.4	0.75	0.6	1.0	2	3	4	0.15	0.20	0.30					M21	at	49.95
	ZMSC-2-1W	1-650	25	20	35	20	25	20	0.3	0.5	0.5	0.8	0.7	1.0	2	3	4	0.15	0.20	0.30	curves				M21	at	54.95
✣	ZMSC-2-2*	0.002-60	27	20	30	20	27	20	0.3	0.6	0.3	0.6	0.6	1.0	2	3	4	0.15	0.25	0.30					M21	at	59.95
	ZSC-2-1	0.1-400	20	15	25	20	25	20	0.2	0.5	0.4	0.75	0.6	1.0	2	3	4	0.15	0.20	0.30					M22	at	47.95
	ZSC-2-1W	1-650	25	20	35	25	25	20	0.3	0.5	0.5	0.8	0.7	1.0	2	3	4	0.15	0.20	0.30					M22	at	49.95
✣	ZSC-2-2*	0.002-60	25	20	30	20	27	20	0.3	0.6	0.3	0.6	0.6	1.0	2	3	4	0.15	0.25	0.30					M22	at	52.95
✣■	ZSC-2-2-75**	0.002-60	25	20	30	20	27	20	0.3	0.6	0.3	0.6	0.6	1.0	2	3	4	0.15	0.25	0.30					M22	at	53.95
	ZSC-2-4	10-1000	25	20	35	20	25	20	0.2	0.5	0.5	0.8	0.7	1.3	2	4	6	0.15	0.20	0.30					M22	at	52.95
■	ZSC-2375	55-85			35	25					0.3	0.5				1			0.10						M22	at	52.95
■	ZSC-2-1-75	0.25-300	20	15	30	20	20	15	0.4	0.75	0.4	0.75	0.4	1.0	2	3	5	0.15	0.20	0.30					M22	at	49.95

NOTES:

* Isolation specified to 0.006 MHz

** Insertion loss, specified to -20°C from 0.002 to 0.004 MHz. From 2 to 6 KHz, isolation 14 dB min.

✪ When only specification for M range given, specification applies to entire frequency range.

✣ At low range frequency band (f_L to 10 f_L), linearly derate maximum input power by 13 dB.

■ Denotes 75 Ohm model, for coax connector models 75 Ohm
BNC connectors are standard.

▲ Available only with SMA connectors

▼ Available with SMA or N connectors, ZAPD-50 & -50W with N only.

A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in "Mini-Circuits Guarantees Quality" article.

B. For details on Connector types, case mounted options, case finishes see "Case styles & Outline Drawings".

C. Prices and specifications subject to change without notice.

1. Absolute maximum power, voltage and current ratings:

1a. Matched power rating:
Models ZAPD, ZN2PD, ZC2PD, ZN2PD2 ..... 10 Watt
ZAPD-900-5W, ZN2PD-20 ..... 5W(as a splitter)
ZAPD-30 and other models ..... 1 Watt

1b. Internal load dissipation:
ZAPD-900-5W ..... 1W max.
ZN2PD-20 ..... 0.725W max.
ZN2PD-9G, ZAPD-2-22-75, ZN2PD2 ..... 0.25W max.
All other models ..... 0.125 Watt

coaxial connections

see case style outline drawing for pin locations

PORT	ar	as	at
SUM PORT	3	S	2
PORT 1	1	1	1
PORT 2	2	2	3
GND EXT.	—	—	—
CASE GND	—	—	—
NOT USED	—	—	—

050818


ZC2PD


ZN2PD


ZN2PD2


IZY2PD


ZAPD

	MODEL NO.	FREQ. RANGE MHz f_L-f_U	ISOLATION dB L Typ.	L Min.	M° Typ.	M° Min.	U Typ.	U Min.	INSERTION LOSS, dB Above 3dB L Typ.	L Max.	M° Typ.	M° Max.	U Typ.	U Max.	PHASE UNBAL. Degrees L Max.	M° Max.	U Max.	AMPLITUDE UNBAL. dB L Max.	M° Max.	U Max.	VSWR (:1) S Typ.	S Max.	OUT Typ.	OUT Max.	CASE STYLE Note B	CONNECTION	PRICE $ ea. Qty. (1-9)
	ZC2PD-900	800-900			30	20				0.1	0.4				2			0.20			1.10	1.30	1.10	1.30	F183	as	64.95
	ZN2PD-20	750-2000	L⁰ 18	15	25	20	U⁰ 18	15		0.2	0.5				4			0.30			1.16	1.5	1.10	1.35	VVV180	as	67.95
	ZN2PD-920	800-920			30	20				0.15	0.4				2			0.20			1.10	1.20	1.04	1.20	VVV180	as	59.95
	ZN2PD-920W	700-1050			22	15				0.15	0.5				3			0.30			1.20	1.50	1.04	1.20	VVV180	as	54.95
	ZN2PD-1900	1600-1900			30	20				0.18	0.4				2			0.20			1.20	1.35	1.04	1.20	VVV180	as	69.95
	ZN2PD-1900W	1500-2000			24	15				0.2	0.5				3			0.30			1.20	1.50	1.04	1.20	VVV180	as	64.95
	ZN2PD-9G	1700-9000			22	15				0.5	1.4				4			0.60							VVV180	as	69.95
NEW	ZN2PD2-50	**500-5000**			**25**	**15**				**0.8**	**1.4**				**4**			**0.5**			**1.20**	—	**1.10**	—	VVV845	as	74.95
		600-1600			24	17				0.7	1.1				2			0.3			1.20	—	1.10	—			
		1600-2700			26	18				0.8	1.2				3			0.3			1.20	—	1.10	—			
		2700-3600			28	19				0.9	1.3				3			0.4			1.20	—	1.10	—			
		3700-4800			22	18				0.9	1.4				4			0.5			1.20	—	1.10	—			
		GHz																									
	IZY2PD-64	5.8-6.4			35	24				0.2	0.5				5			0.30			1.05	1.30	1.20	1.35	JJJ245	as	89.95
	IZY2PD-86	7.0-8.6			30	18				0.1	0.5				6			0.25			1.10	1.45	1.10	1.40	JJJ245	as	94.95
	ZAPD-1	0.5-1.0			25	19				0.25	0.6				2			0.20							F14	as	54.95
	ZAPD-2	1.0-2.0			25	19				0.25	0.6				2			0.20							F14	as	54.95
■	ZAPD-2-22-75	0.91-2.15			30	20				0.2	0.7				2			0.40			1.15	1.60	1.10	1.30	F14	as	58.95
▼	ZAPD-20	0.7-2.0			30	20				0.30	0.7				3			0.40			1.15	1.35	1.10	1.30	F53	as	59.95
	ZAPD-21	0.5-2.0			25	18				0.25	1.0				3			0.20							F53	as	59.95
▲	ZAPD-30	0.02-3.0	14	12	16	12	20	14	1.1	1.5	1.1	1.8	1.4	2.3	3	5	9	0.30	0.40	0.80	1.50	1.95	1.55	2.10	F14	as	79.95
▼	ZAPD-4	2.0-4.2			25	19				0.4	0.8				6			0.40			see Yoni for Performance Data and curves				F14	as	59.95
▼	ZAPD-50	4.4-5.0			26	20				0.3	0.8				5			0.50							F14	as	54.95
▼	ZAPD-50W	4.2-6.0			26	16				0.3	0.8				5			0.70							F14	as	64.95
▼	ZAPD-900-5W	0.1-0.9			23	18				0.3	1.0				3			0.30			1.15	1.50	1.22	1.50	F14	as	59.95
▼	ZAPD-1750	0.95-1.75			30	22				0.2	0.4				4			0.50			1.15	1.50	1.22	1.50	F14	as	54.95

L = low range [f_L to 10 f_L]
M = mid range [10 f_L to f_U/2]
U = upper range [f_U/2 to f_U]

L^1 = f_L to 6 GHz
U^1 = 6 GHz to f_U

L^0 = 750 to 875 MHz
U^0 = 1850 to 2000 MHz

NSN GUIDE

MCL NO.	NSN	MCL NO.	NSN	MCL NO.	NSN
ZAPD-1(TNC)	5985-01-250-4883	ZFSC-2-2(SMA)	6625-01-333-1127	ZN2PD-920W-S	5895-01-522-3794
ZAPD-2 (BNC)	5895-01-476-0831	ZFSC-2-2B	5895-01-330-4416	ZSC-2-1-75BR	5985-01-476-2126
ZAPD-2(SMA)	5895-01-229-7431	ZFSC-2-4	6625-01-291-3346	ZSC-2-1	5895-01-214-6032
ZAPD-2(N)	5985-01-449-0825	ZFSC-2-4B	5895-01-446-1158	ZSC-2-1B	6625-01-109-3706
ZAPD-4(N)	6625-01-173-1887	ZFSC-2-5	6625-01-253-2444	ZSC-2-1(BNC)	5895-01-036-6254
ZAPD-4(SMA)	5985-01-383-0636	ZFSC-2-6	6625-01-419-4241	ZSC-2-1B(BNC)	6625-00-270-3055
ZAPD-900-5W-N	5985-01-523-2508	ZFSC-2-6(BNC)	5895-01-408-6857	ZSC-2-1W	5895-01-283-0850
ZESC-2-11	5985-01-381-9081	ZFSC-2-6B	5985-01-315-2869	ZSC-2-1WB	6625-01-264-8985
ZFSC-2-1	6625-01-139-3499	ZFSC-2-9G	5895-01-524-8996	ZSC-2-1-75B	5895-01-136-8182
ZFSC-2-1(SMA)	6625-01-213-6490	ZFSC-2-10G	5895-01-467-5372	ZSC-2-2B	5820-01-136-7245
ZFSC-2-1(BNC)	5985-01-176-4551	ZFSC-2-11(SMA)	6625-01-415-2183	ZSC-2-2-75B	5915-01-012-8162
ZFSC-2-1-75	5895-01-325-4795	ZFSC-2-2500B	5895-01-516-3575	ZSC-2375	5895-01-229-0157
ZFSC-2-1W(SMA)	6625-01-200-5094	ZMSC-2-1	5985-01-204-1526	ZSC-2-4	5895-01-523-0183
ZFSC-2-1W	5895-01-348-3534	ZMSC-2-1B	5895-01-253-2445	ZSC-2-4B	5895-01-467-5362
ZFSC-2-2B(SMA)	6625-01-362-1801	ZMSC-2-1BR	5985-01-338-9329		
ZFSC-2-2	5895-01-467-5374	ZMSC-2-1W	5895-01-127-0232		

050928