

ATTENUATORS/SWITCHES *Coaxial*

BI-PHASE 1 MHz to 2 GHz



ZFAS

ZMAS

ZAS

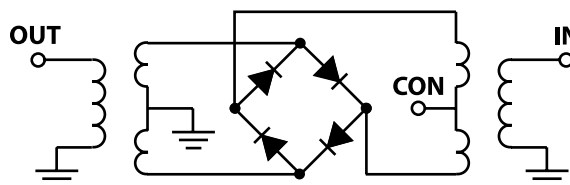
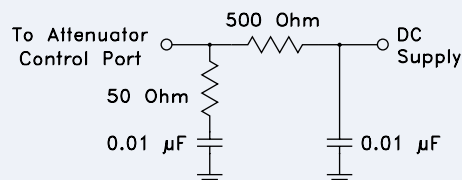
MODEL NO.	FREQUENCY MHz		INSERTION LOSS dB (±20 mA)				MAX. INPUT PWR dBm (±20 mA)		IN-OUT ISOLATION, dB (0 mA)						BI-PHASE $\bar{X}$ (±20 mA) Typ.				CASE STYLE	CONNECTION	PRICE \$
	IN f_L - f_U	CON	Mid-Band m		Total Range		1 dB compr.	no damage	L Typ.	M		U Typ.	Δ AMP (dB) Total Range	Phase(deg) deviation from 180° Total Range		Note B					
			Typ.	Max.	Typ.	Max.				Typ. Min.	Typ. Min.			m	m						
																	Qty. (1-9)				
ZMAS-1*	5-450	DC-0.05	3.5	4	3.5	4.7	20	30	65	50	55	40	35	25	0.10	0.1	0.5	1.2	M21	c.p	66.95
ZMAS-3*	1-200	DC-0.05	1.4	2	1.6	2.5	15	30	65	50	50	40	50	35	0.10	0.1	0.5	1.0	M21	c.p	67.95
ZAS-1*	5-450	DC-0.05	3.5	4	3.5	4.7	20	30	65	50	55	40	35	25	0.10	0.1	0.5	1.2	M22	c.p	59.95
ZAS-3*	1-200	DC-0.05	1.4	2	1.6	2.5	15	30	65	50	50	40	50	35	0.10	0.1	0.5	1.0	M22	c.p	59.95
▲ ZFAS-2000**	100-2000	DC-0.5	4.2	6.5	5.4	7.5	19R	25	30	22	—	—	26	20	0.3	0.4	5.0	8.0	K18	c.n	64.95

L = low range [f_L to 10 f_L]

M = mid range [10f_L to f_U/2]
m = mid band [2f_L to f_U/2]

U = upper range [f_U/2 to f_U]

suggested control port biasing configuration



NSN GUIDE

MCL NO.	NSN
ZAS-3B	5985-01-267-2832
ZMAS-1	5985-01-140-4291

NOTES:

- * Recommended for electronic attenuator
- ** Recommended for bi-phase modulator
- ▲ Available only with SMA connectors.
- * +15 dBm from 100-800 MHz
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in General Information (Section 0).
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & Outline Drawings".
- C. Prices and specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current ratings:
1a. Control current, 30mA
- 2. Performance specifications apply for input power up to 10 dB below stated 1dB compression.

coaxial connections

see case style outline drawings

PORT	cn	cp
INPUT	2	3
OUTPUT	1	1
CONTROL	3	2
GND EXT.	—	—
CASE GND	—	—
NOT USED	—	—