

# FIXED ATTENUATORS

50 Ω

Surface Mount

1/2W MINIATURE 1 to 30 dB, DC to 2500 MHz



LAT

MODEL NO. ◆	FREQ. RANGE MHz  f <sub>l</sub> -f <sub>u</sub>	ATTENUATION dB  FLATNESS, Max.				VSWR (:1) Max.			MAX. INPUT POWER, W 25°C	CASE STYLE  Note B	C O N T A I N E R P A C I T Y	PRICE \$  Qty. (10-49)
		Nom.	<u>L</u>	<u>M</u>	<u>U</u>	<u>L</u>	<u>M</u>	<u>U</u>				
LAT-1	DC-2500	1±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.50	MMM168	jk	1.95
LAT-2	DC-2500	2±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.50	MMM168	jk	1.95
LAT-3	DC-2500	3±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.50	MMM168	jk	1.95
LAT-4	DC-2500	4±0.3	0.3	0.4	0.7	1.2	1.3	1.5	0.50	MMM168	jk	1.95
LAT-5	DC-2500	5±0.3	0.3	0.4	0.7	1.3	1.3	1.5	0.50	MMM168	jk	1.95
LAT-6	DC-2500	6±0.3	0.3	0.4	0.7	1.3	1.4	1.5	0.50	MMM168	jk	1.95
LAT-7	DC-2500	7±0.3	0.3	0.4	0.7	1.3	1.4	1.5	0.50	MMM168	jk	1.95
LAT-8	DC-2500	8±0.4	0.3	0.5	0.8	1.3	1.4	1.5	0.50	MMM168	jk	1.95
LAT-9	DC-2500	9±0.4	0.3	0.5	0.8	1.3	1.4	1.5	0.50	MMM168	jk	1.95
LAT-10	DC-2500	10±0.5	0.3	0.5	0.8	1.3	1.4	1.5	0.50	MMM168	jk	1.95
LAT-12	DC-2500	12±0.8	0.3	0.5	0.8	1.3	1.4	1.6	0.50	MMM168	jk	1.95
LAT-15	DC-2500	15±0.8	0.3	0.5	0.8	1.3	1.4	1.6	0.50	MMM168	jk	1.95
LAT-20	DC-2500	20±1.5	0.3	0.5	0.8	1.3	1.4	1.6	0.50	MMM168	jk	1.95
LAT-30	DC-1000	30±1.7	0.5	1.2	—	1.2	1.3	—	0.50	MMM168	jk	1.95

NEW

L = DC-500 MHz

M = DC-1000 MHz

U = DC-2500

## features

- wideband DC - 2500 MHz frequency coverage.
- excellent VSWR throughout entire band.
- miniature size SOT-143 package
- low cost

## marking code:

2 digits for nominal  
attenuation value.

examples: 03 for LAT-3, 20 for LAT-20

## NOTES:

- ◆ Aqueous washable
- A. Environmental specifications and re-flow soldering information available in General Information Section.
- B. Units are non-hermetic unless otherwise noted. For details on case dimensions & finishes see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.
  1. RF power at 25°C case temp.: 1/2 Watt.
  2. Attenuation and VSWR at 25°C case temp.

## designers kits available

KIT NO.	MODEL TYPE	No. of Units in Kit	DESCRIPTION	PRICE \$ per kit
K1-LAT	LAT	36	4 of each 3,6,10, 15, 20 2 of each 1,2,4,5,7,8,9,12	59.95

## pin connections

see case style outline drawings

PORT	jk
INPUT	4
OUTPUT	2
GND	1,3



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001013

Surface Mount

# 1W MINIATURE CERAMIC 1 to 30 dB, DC to 7000 MHz



PAT

MODEL NO. ◆	FREQ. RANGE MHz $f_L$ - $f_U$	ATTENUATION dB			VSWR (:1) Max.			POWER W	CASE STYLE  Note B	CON- FIG- UR- N	PRICE \$  Qty. (10-49)	
		Nom.	$L$	$M$	$U$	$L$	$M$					$U$
PAT-1	DC-7000	1±0.2	0.3	0.4	0.7	1.2	1.3	1.4	1	AF320	hl	2.95
PAT-2	DC-7000	2±0.2	0.3	0.5	0.9	1.2	1.3	1.4	1	AF320	hl	2.95
PAT-3	DC-7000	3±0.3	0.3	0.5	0.9	1.2	1.3	1.4	1	AF320	hl	2.95
PAT-4	DC-7000	4±0.3	0.3	0.5	0.9	1.2	1.3	1.4	1	AF320	hl	2.95
PAT-5	DC-7000	5±0.3	0.3	0.5	1.0	1.2	1.3	1.4	1	AF320	hl	2.95
PAT-6	DC-7000	6±0.3	0.3	0.5	1.1	1.2	1.3	1.4	1	AF320	hl	2.95
PAT-7	DC-7000	7±0.3	0.4	0.6	1.3	1.3	1.4	1.5	1	AF320	hl	2.95
PAT-8	DC-7000	8±0.4	0.4	0.6	1.5	1.3	1.4	1.5	1	AF320	hl	2.95
PAT-9	DC-7000	9±0.4	0.4	0.6	1.7	1.3	1.4	1.5	1	AF320	hl	2.95
PAT-10	DC-7000	10±0.4	0.4	0.6	1.7	1.3	1.4	1.5	1	AF320	hl	2.95
PAT-12	DC-7000	12±0.6	0.5	0.6	1.8	1.3	1.4	1.5	1	AF320	hl	2.95
PAT-15	DC-7000	15±0.6	0.5	0.7	2.4	1.3	1.4	1.5	1	AF320	hl	2.95
PAT-20	DC-7000	20±1.3	0.5	0.7	2.6	1.4	1.4	1.5	1	AF320	hl	2.95
PAT-30	DC-7000	30±1.7	0.4	0.9	2.8	1.4	1.4	1.5	1	AF320	hl	2.95

$L$  = DC-1000 MHz

$M$  = DC-2500 MHz

$U$  = DC- $f_U$

### features

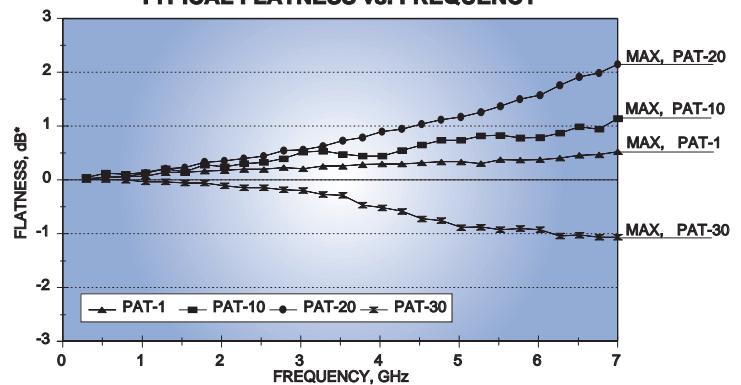
- low-cost ceramic package.
- wideband DC - 7 GHz frequency coverage.
- excellent VSWR throughout entire band.
- miniature size.

### marking code:

2 digits for nominal  
attenuation value.

examples: 03 for PAT-3, 20 for PAT-20

TYPICAL FLATNESS vs. FREQUENCY



\*0 dB on flatness graph corresponds to actual low frequency attenuation value.

### designers kits available

KIT NO.	MODEL TYPE	No. of Units in Kit	DESCRIPTION	PRICE \$ per kit
K1-PAT	PAT	20	4 of each 3, 6, 10, 15, 20	49.95

### pin connections

see case style outline drawings

PORT	cr	hl
INPUT	1	1
OUTPUT	8	3
GND	2,3,4,5,6,7	2,4



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