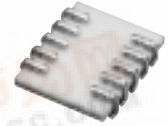


Surface Mount Matching Pad

50 to 75Ω, DC to 3000 MHz



ALMP-5075



Maximum Ratings

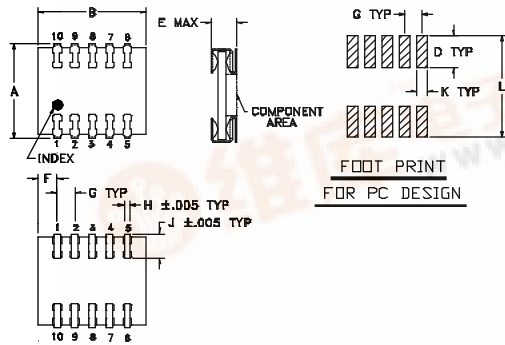
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C

Pin Configuration

50Ω	2
75Ω	6
GROUND	1,3,4,5,7,8,9,10

EVALUATION BOARD P/N: TB-25

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.270	.310	—	.090	.080	.055	.050	.018	.074
6.86	7.87	—	2.29	2.03	1.27	1.27	0.46	1.70
K	L	wt.						
.030	.290	grams						
0.76	7.37	.30						

Features

- excellent flatness, ±0.1 dB typ.
- excellent return loss, 1.2:1 typ.

Applications

- 50 to 75 ohm wideband matching

CASE STYLE: CB518
PRICE: \$ 7.95 ea.
QTY: (1-9)

Electrical Specifications

FREQUENCY (MHz)	ATTENUATION (dB)			VSWR (:1) Max.		
	Nom.	L	M	L	M	U
DC - 3000	5.7±0.2	0.2	0.4	1.06	1.4	1.45

L=DC to 100 MHz M=100 MHz to 1000 MHz U=1000 MHz to 3000 MHz

Typical Performance Data

FREQUENCY (MHz)	ATTENUATION		VSWR (:1)			
	\bar{X} (dB)	σ (dB)	\bar{X} 50Ω (dB)	σ (dB)	\bar{X} 75Ω (dB)	σ (dB)
0.03	5.73	0.01	1.001	0.000	1.006	0.001
0.10	5.73	0.01	1.001	0.000	1.007	0.001
1.00	5.73	0.01	1.001	0.000	1.007	0.001
70.00	5.74	0.01	1.001	0.001	1.013	0.001
150.00	5.76	0.01	1.001	0.001	1.027	0.001
300.00	5.77	0.01	1.003	0.001	1.057	0.002
600.00	5.86	0.01	1.022	0.001	1.122	0.004
1400.00	5.90	0.01	1.054	0.003	1.267	0.007
2000.00	5.84	0.02	1.061	0.004	1.274	0.008
3000.00	5.68	0.02	1.104	0.006	1.139	0.018

ALMP-5075

