

Surface Mount Matching Pad

50/75Ω

DC to 3000 MHz

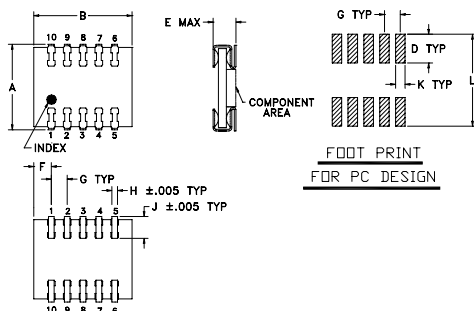
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Input Power	0.25W

Pin Connections

50 OHM	2
75 OHM	6
GROUND	1,3,4,5,7,8,9,10

Outline Drawing

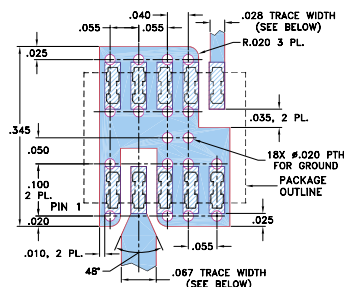


Outline Dimensions (inch)

A	B	C	D	E	F	G
.27	.31	--	.090	.080	.055	.050
6.86	7.87	--	2.29	2.03	1.40	1.27

H	J	K	L	wt
.018	.074	.030	.290	grams
0.46	1.88	0.76	7.37	0.3

Demo Board MCL P/N: TB-25 Suggested PCB Layout (PL-211)



NOTE: 1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .030" ± .002"; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Features

- excellent flatness, ±0.1 dB typ.
- excellent return loss, 1.2:1 typ.
- wideband coverage, DC to 3000 MHz
- aqueous washable
- low cost

Applications

- 50 to 75 OHM wideband impedance matching



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

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

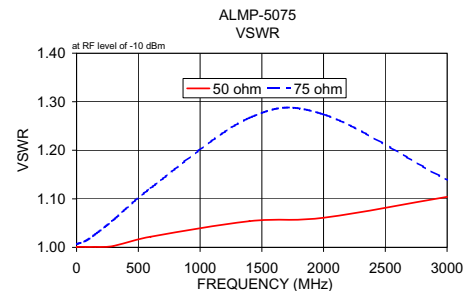
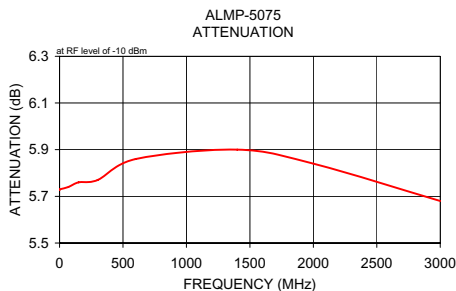
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

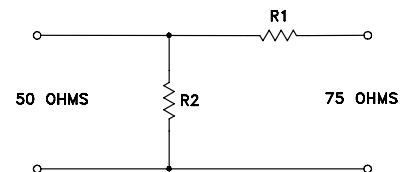
FREQ. (MHz)	ATTENUATION (dB) Flatness Max.				VSWR (:1) Max.			POWER (W)
	Nom.	DC-100 MHz	100-1000 MHz	1000-3000 MHz	DC-100 MHz	100-1000 MHz	1000-3000 MHz	
f _L -f _U								
DC-3000	5.7±0.2	0.2	0.4	0.4	1.06	1.4	1.45	0.25

Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)	
		50 Ω	75 Ω
0.03	5.73	1.00	1.01
0.10	5.73	1.00	1.01
1.00	5.73	1.00	1.01
70.00	5.74	1.00	1.01
150.00	5.76	1.00	1.03
300.00	5.77	1.00	1.06
600.00	5.86	1.02	1.12
1400.00	5.90	1.05	1.27
2000.00	5.84	1.06	1.27
3000.00	5.68	1.10	1.14



electrical schematic



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RF/IF MICROWAVE COMPONENTS

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ALMP-5075
DJ/TD/CP
070316