

Surface Mount Frequency Mixer

NEW!

MCA-45H

Level 17 (LO Power +17 dBm) 2500 to 4500 MHz

Maximum Ratings

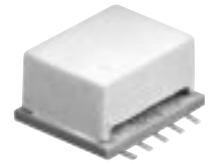
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	200mW
IF Current	40mA

Pin Connections

LO	10
RF	5
IF	3
GROUND	1,2,4,6,7,8,9

Features

- small size, 0.25"x0.3"x0.2"
- excellent isolation, 32 dB typ.
- good matching 2:1 VSWR
- useable over 1000-5000 MHz



CASE STYLE: DM842
PRICE: \$ 7.95ea. QTY.: (10-49)

Applications

- fixed satellite



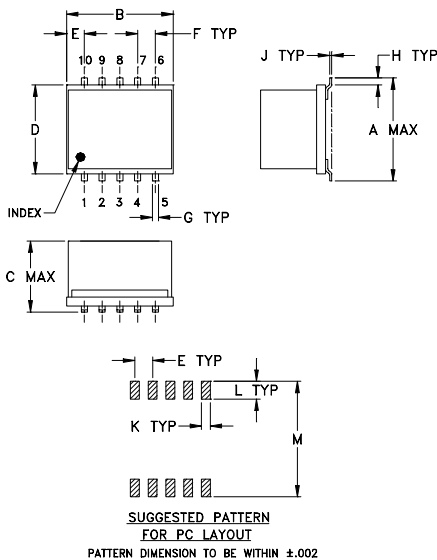
Electrical Specifications (T_{AMB} = -40°C to 85°C)

FREQUENCY (MHz)		CONVERSION LOSS (dB)			LO-RF ISOLATION (dB)		LO-IF ISOLATION (dB)		IP3@ center band Typ. (dBm)	E FACTOR
LO/RF f ₁ -f ₂	IF	\bar{x}	σ	Max.	Typ.	Min.	Typ.	Min.		
2500-4500	10-1500	6.6	0.2	8.9	31	20	35	23	22	0.5

1dB Compr.: +14 dBm typ.
E= [IP3(dBm)-LO Power(dBm)]/10

Patent pending

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.300	.30	.200	.250	.050	.050	.017	.020	.006
7.62	7.62	5.08	6.35	1.27	1.27	0.43	0.51	0.15
K	L	M	wt.					
.025	.050	.325	grams					
0.64	1.27	8.26	.50					

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