

# Surface Mount Frequency Mixer

**NEW!**

**MCA-25H**

Level 17 (LO Power +17 dBm) 1800 to 2500 MHz

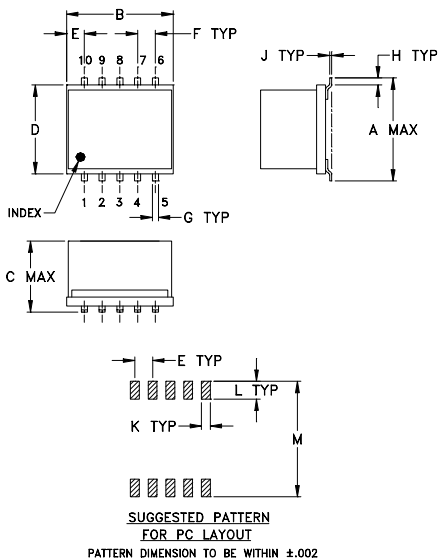
## Maximum Ratings

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

## Outline Drawing



## Outline Dimensions (inch/mm)

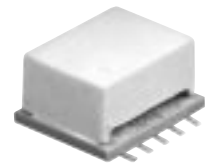
A	B	C	D	E	F	G	H	J
.300	.30	.200	.250	.050	.050	.017	.020	.006
7.62	7.62	5.08	6.35	1.27	1.27	0.43	0.51	0.15
K	L	M	wt.					
.025	.050	.325	grams					
0.64	1.27	8.26	.50					

## Features

- small size, 0.25"x0.3"x0.2"
- excellent isolation, 30 dB typ.
- good matching 2:1 VSWR
- useable over 1000-3500 MHz

## Applications

- PCN
- PDC
- DECT
- PHS



CASE STYLE: DM842  
PRICE: \$ 6.95ea. QTY.: (10-49)

## Electrical Specifications (T<sub>AMB</sub>=-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 <sub>1</sub> -f <sub>2</sub>	IF	$\bar{x}$	$\sigma$	Max.	Typ.	Min.	Typ.	Min.		
1800-2500	10-700	5.8	0.1	7.5	31	22	30	20	23	0.6

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

Patent pending

ADVANCED  
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