# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

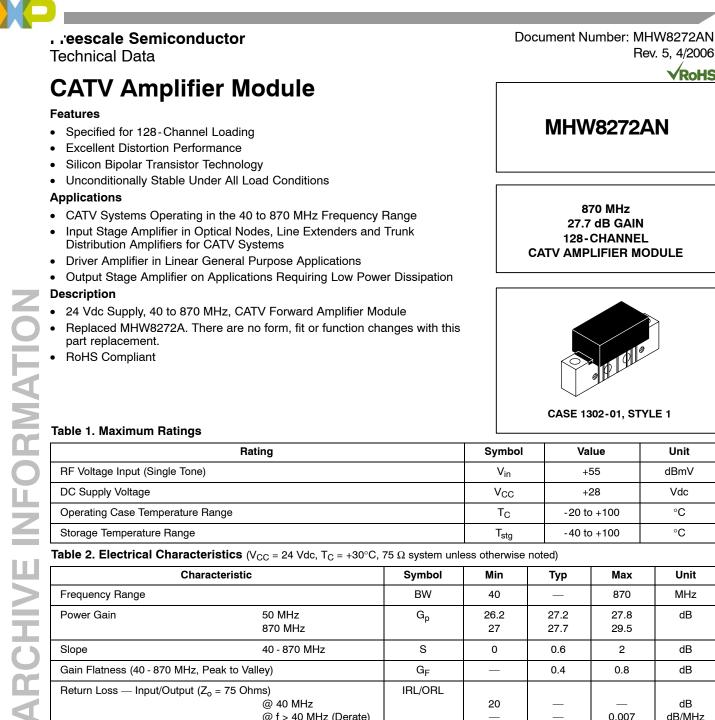
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



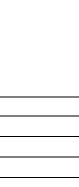
# Contact us

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Characteristic		Symbol	<b>Min</b> 40	Тур —	<b>Max</b> 870	Unit MHz
Frequency Range	BW					
Power Gain	50 MHz 870 MHz	G <sub>p</sub>	26.2 27	27.2 27.7	27.8 29.5	dB
Slope	40 - 870 MHz	S	0	0.6	2	dB
Gain Flatness (40 - 870 MHz, Peak to Valley)		G <sub>F</sub>	_	0.4	0.8	dB
Return Loss — Input/Output (Z <sub>o</sub> = 75 Oh	ms) @ 40 MHz @ f > 40 MHz (Derate)	IRL/ORL	20 —		0.007	dB dB/MHz
Composite Second Order (V <sub>out</sub> = +38 dBmV/ch., Worst Case)	128-Channel FLAT	CSO <sub>128</sub>	_	- 69	- 64	dBc
Cross Modulation Distortion @ Ch 2 ( $V_{out}$ = +38 dBmV/ch., FM = 55 MHz)	128-Channel FLAT	XMD <sub>128</sub>	_	- 65	- 62	dBc
Composite Triple Beat (V <sub>out</sub> = +38 dBmV/ch., Worst Case)	128-Channel FLAT	CTB <sub>128</sub>	_	- 69	- 64	dBc
Noise Figure	50 MHz 870 MHz	NF		 6.0	5.5 7.0	dB
DC Current (V <sub>DC</sub> = 24 V, T <sub>C</sub> = $30^{\circ}$ C)		I <sub>DC</sub>	280	310	350	mA



Storage Temperature Range



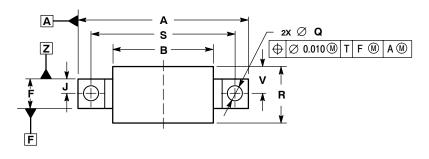
## NOTES

# **ARCHIVE INFORMATION**

### MHW8272AN



### PACKAGE DIMENSIONS



2X U

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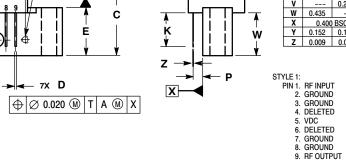
4X G

2X 6-32UNC-2B

E

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	INC	HES	MILLIMETERS		
DIM	MIN	MAX	MIN	MAX	
Α		1.775		45.085	
В		1.085		27.559	
C		0.840		21.336	
D	0.015	0.021	0.381	0.533	
Е	0.465	0.510	11.811	12.954	
F	0.300	0.325	7.62	8.255	
G	0.100 BSC		2.540 BSC		
J	0.156 BSC		3.962 BSC		
K	0.315	0.355	8.001	9.017	
L	1.000 BSC		25.400 BSC		
Ν	0.165 BSC		4.191 BSC		
Ρ	0.100 BSC		2.540 BSC		
Q	0.148	0.168	3.759	4.267	
R		0.600		15.24	
S	1.500 BSC		38.100 BSC		
U	0.200 BSC		5.080 BSC		
V		0.250		6.350	
W	0.435		11.049		
X	0.400 BSC		10.160 BSC		
Y	0.152	0.163	3.861	4.140	
Ζ	0.009	0.011	0.229	0.279	



CASE 1302-01 ISSUE E

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**ARCHIVE INFORMATION** 



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