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.

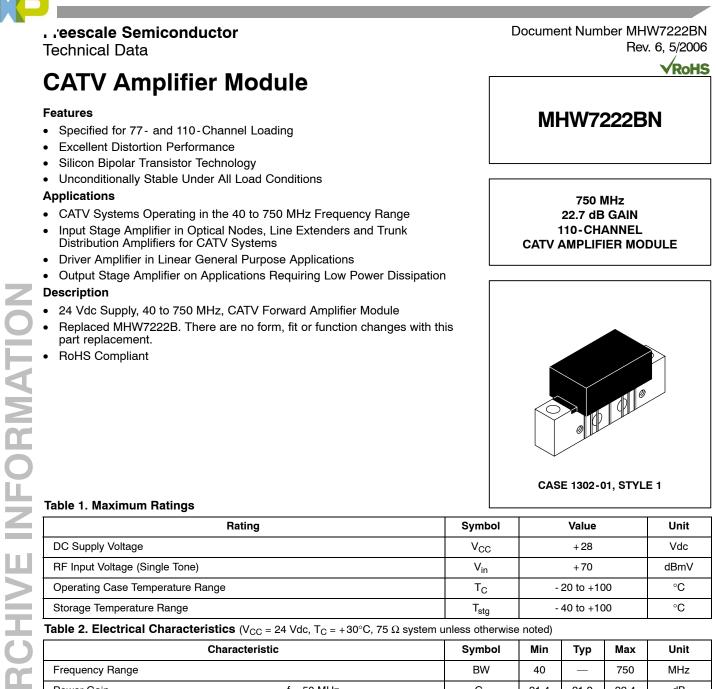
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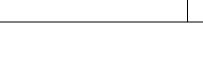
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Storage Temperature Range		T _{stg}	- 40 to +100		°C	
Table 2. Electrical Characteristics (V_{CC} = 24 Vdc, T_{C} = +30°C, 75 Ω syst	em unless otherwise	e noted)			
Characteristic		Symbol	Min	Тур	Max	Unit
Frequency Range		BW	40	_	750	MHz
Power Gain	f = 50 MHz f = 750 MHz	Gp	21.4 22.2	21.9 22.7	22.4 23.2	dB
Slope (f = 40 - 750 MHz)		S	0.2	0.7	1.2	—
Gain Flatness (Peak To Valley)	(f = 40 - 750 MHz)	G _F	_	0.4	0.6	—
Input/Output Return Loss @ f = 40 MHz		IRL/ORL	20	25	_	dB
Derate Return Loss @ f > 40 MHz		RLD	_	_	0.006	dB/MHz
Composite Second Order (V _{out} = +40 dBmV/ch; 110 Channels)		CSO ₁₁₀	_	- 67	- 60	dBc



CSO77



- 60

- 67

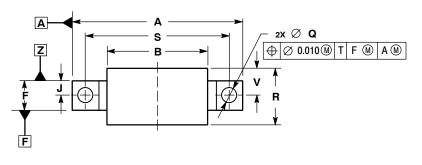
(V_{out} = +44 dBmV/ch; 77 Channels)



Characteristic	Symbol	Min	Тур	Max	Unit
Cross Modulation Distortion (V _{out} = +40 dBmV/ch, 110-Channel @ Fm = 55.25 MHz) (V _{out} = +44 dBmV/ch, 77-Channel @ Fm = 55.25 MHz)	XMD ₁₁₀ XMD ₇₇		- 63 - 59	- 60 - 56	dBc
Composite Triple Beat (V _{out} = +40 dBmV/ch, 110-Channels, Worst Case) (V _{out} = +44 dBmV/ch, 77-Channels, Worst Case)	CTB ₁₁₀ CTB ₇₇		- 64 - 65	- 61 - 62	dBc
Noise Figure f = 50 MHz f = 750 MHz	NF	_	3.7 5	4.5 6.5	dB
DC Current	I _{DC}	180	220	240	mA



PACKAGE DIMENSIONS



– 2X U

Х 4X G 2X 6-32UNC-2B

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⊕ Ø 0.020 ₪ T A ₪ X

7X D

⊕ Ø 0.010 ₪ Z T A ₪

С

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NOTES: 1. DIMENSIONS ARE IN INCHES. 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M, 1994.

	INCHES		MILLIMETERS		
DIM	MIN	MAX	MIN	MAX	
Α		1.775		45.085	
В		1.085		27.559	
С		0.840		21.336	
D	0.015	0.021	0.381	0.533	
E	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	5 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	0.400 BSC		10.160 BSC	
Y	0.152	0.163	3.861	4.140	
Z	0.009	0.011	0.229	0.279	

STYLE 1:	
PIN 1.	RF INPUT
2.	GROUND
3.	GROUND
4.	DELETED
5.	VDC
6.	DELETED
7.	GROUND
8.	GROUND
9.	RF OUTPUT

A

w

CASE 1302-01 **ISSUE E**

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