



CMN538-60

900 MHz Transmit Filter, 60dB Rejection

Revision 5 • August 2007

Passband:	824 to 894 MHz
Passband Insertion Loss:	
824 – 893.5 MHz:	0.50 dB max.
893.5 – 894 MHz:	0.75 dB max.
Ripple (Peak to Peak):	
824 – 893.5 MHz:	0.30 dB max.
893.5 – 894 MHz:	0.60 dB max.
Rejection:	
896 – 901 MHz	60 dB min.
Passband Return Loss:	18.0 dB min.
Passband Power Handling:	
Average:	500 watts @ up to 15,000 feet
Peak Instantaneous (PIP):	12500 watts @ up to 15,000 feet
Weatherproofing:	
Housing:	To ETSI 300-19-2-4
Connectors:	Sealed to IP68 (Unmated)
MHA Support:	5.0 Amps @ 20VDC on Center Conductor
Intermodulation: -	110 dBm maximum w/two +43 dBm carriers
Dimensions:	Per CMT ol-538-60 Rev. 4
Mounting:	Rack Mount Tray Outdoor Catwalk (Ice Bridge) Pole Mount
Operating Temperature: -	30°C to +54°C
Storage Temperature: -	40°C to +85°C

NOTES: UNLESS OTHERWISE SPECIFIED

1. FINISH: SEMI-GLOSS GRAY EPOXY PAINT,
COLOR NO. 26493 PER FED-STD-595A
2. MARKING: LABEL, 59018 TO INCLUDE,
CMT PART NUMBER, CUSTOMER PART NUMBER
DATE CODE/SERIAL NUMBER.

CMN538-60
XXXXXX-XX
DC/SN: 0000XXXXXX

3. CONNECTOR THREADS AND MOUNTING HOLES ARE PAINT FREE.

7/16 FEMALE, SPINNER P/N 954856-0E OR EQUIVALENT

6X 10-24 UNC-2B X 0.30 DEEP -

0.50 [12.70] →

6.00 [152.4

0 [152.40] →

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Technical drawing of a rectangular panel with dimensions and mounting details. The panel is 14.00 [355.60] wide and 6.00 [152.40] high. The mounting details include a 1.75 [44.48] wide top edge, a 0.50 [12.70] deep top edge, and a 0.50 [12.70] wide bottom edge. The panel is labeled "OR EQUIVALENT" and "2B X 0.30 DEEP". The mounting details are shown in a perspective view.

Technical drawing of a microwave unit showing dimensions and component locations. The drawing includes the following dimensions and labels:

- Top horizontal dimension: 12.50 [317.50]
- Top horizontal dimension (from left edge to start of top component): 8.48 [215.27]
- Top horizontal dimension (from left edge to start of top component): 4.30 [109.09]
- Top horizontal dimension (from left edge to start of top component): 0.25 [6.35]
- Right vertical dimension: 9.16 [232.79]
- Right vertical dimension: 0.20 [5.08]
- Left vertical dimension: 10.63 [270.00]
- Left vertical dimension: 8X 10-24 UNC-2B X 0.30 DEEP
- Left vertical dimension: 1/4-20 GROUND LUG

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DRAWN:	MS	10/31/2005	TOLERANCES:		SIZE	DWG NO.	REV
ENG:			.XX: ± .01	A OUTLINE CMN538-60 04	1 SCX4	SHEET	1 OF 1
RELEASED:			.XXX: ± .005				
			.XXXX: ± .0005				
			ANGLES: ± 1°				