



**MATERIALS:**

SUBSTRATE: BERYLLIUM OXIDE  
 COVER: ALUMINA  
 TAB: BERYLLIUM COPPER PER ASTM B194  
 RESISTIVE FILM: NICHROME

**FINISH:**

TAB: TIN LEAD PLATED

**ELECTRICAL:**

NOMINAL IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: DC - 1.0 GHz  
 TEMPERATURE COEFFICIENT: ± 200 PPM/°C MAX  
 OPERATING TEMPERATURE: -55°C TO 150°C  
 VSWR (MAX): 1.15:1 DC - 1.0 GHz  
 INPUT POWER: 100 WATTS  
 ATTENUATION STABILITY: .0001 dB/dB/°C  
 ATTENUATION ACCURACY: 30 ± 1dB @ 850 MHz

 INC. INC. 8851 SW OLD KANSAS AVE STUART, FL 34997 PHONE NO. (772) 286-9390 FAX NO. (772) 283-5286	UNLESS OTHERWISE SPECIFIED 1. DO NOT SCALE DRAWING 2. DIMENSIONS ARE IN INCHES 3. DIMENSIONS ARE AFTER PLATING 4. CORNERS, EDGES AND FILLETS: R 0.005 MAX 5. SURFACE ROUGHNESS: 63 6. REMOVE ALL BURRS	TITLE
	<b>TOLERANCES</b> X.XX ± 0.01 X.XXX ± 0.010 FRACTIONS ± 1/16 X.XXXX ± 0.0005 ANGLES ± 5°	DRAWING NUMBER <b>83-1002TC-30.00</b>
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTIES OF EMC TECHNOLOGY AND FLORIDA RF LABS AND SHALL NOT BE DUPLICATED OR USED AS BASIS FOR THE MANUFACTURE OR SALES OF PARTS OR DEVICES WITHOUT PERMISSION.		REFERENCE / MACOLA NO. / PART NO.
B 7/3/13 TS 13-2098 REV DATE BY EN NUMBER REVISION	MATERIAL FINISH - -	EMC CAGE CODE RF CAGE CODE PLOT SCALE SHEET 24602 2Y194 - 1 OF 1